Changes for the Better



The best solutions for your industry needs. An innovative and highly perfected platform -- the GOT1000 Series.



GOTICOC

poration Nagoya Works and Himeji Works are factories certified for ISO14001 (standards for environmental manage ds for quality assurance management systems). nent systems) Mitsubishi Electric Corpo and ISO9001 (standards



OT











With various sophisticated functions and a vast lineup, now is the start of a new movement in the GOT symphony.



GOT1000 GRAPHIC OPERATION TERMINAL

The GOT1000 series, originating from and developed for the needs of the industry

The desire to offer a display which meets users' needs has been our theme since the birth of GOT1000 and its development has been continued by constantly adding new functions. The vast GOT1000 lineup with its new functions continues to advance. GOT1000 boasts unique and innovative functions such as the backup/restoration function which is the key to shortening downtime, and the operator authentication function which is an effective from of security to work management. Now with the compact GT10 series models including the 3.7" type micro-GOT, we have a total of 44 models in our lineup.

The GOT is developed based on the idea of usability, taking into account the requests from customers.

Again, we bring you new possibilities.

Toward a unique GOT brand

up by the slogan, "Simply the best!"

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Under the slogan "Simply the best!" Mitsubishi Electric aims at a unique brand of display.



A total of 44 GOT1000 models



Performance is the pride of GOT1000.





Common features

Beautiful and expressive screens

USB interface

Performance

1



TFT65536 full color (GT15) STN4096 colors (GT15) Monochrome 16 gray scales Greatly increased memory capacity

Performance



Up to 20 times faster data transmission than previous models.

Standard front-mounted

Front-mounted USB interface improve work efficiency.

Performance

Drawing, computing, communication A triad of high-speed response

- Drawing: Equipped with a high-speed drawing chip (GT15)
- Computing: Offers high-speed computing performance
- Communication: Bus connection and
- RS-232 communication (max. 115.2 kbps)







A total of 44 GOT1000 models providing user friendliness in 3.7 inch to 15 inch models.

TFT(High-brightness, wide viewing angle) GT1595-XTBA AC type XGA GT1595-XTBD DC type (NEW)

Resolution : 1024 × 768 **Display colors : 65536 colors**

NEW

SVGA GT1585V-STBD DC type

Resolution : 800 × 600

Video/RGB model



10.4" TFT (High-brightness, wide viewing angle) GT1575-VTBA AC type

VGA GT1575-VTBD DC type **Resolution :** 640×480 Display colors : 65536 colors

10.4" type GT1575-VNBA AC type

VGA GT1575-VNBD DC type

Display colors : 256 colors

Resolution : 640 \times 480

TFT

GT1572-VNBA AC type

VGA GT1572-VNBD DC type

Resolution : 640 × 480

Display colors : 16 colors



10022

Full-spec models accommodate a wide range of applications in stand-alone or network environments **Full-spec models**

GT15 The upper model of the GOT1000 series

aiming at the best performance for the next-generation HMI. Various models are available to meet the application needs.

NEW 5.7" TFT(High-brightness, wide viewing angle) VGA GT1555-VTBD DC type Resolution : 640 × 480 **Display colors : 65536 colors**



NEW 5.7" TFT(High-brightness, wide viewing angle) QVGA GT1555-QTBD DC type

Resolution : 320×240 **Display colors : 65536 colors**





Resolution : 320 × 240 **Display colors : 4096 colors** 

Resolution : 320 × 240 **Display colors : 16 gray scales**





TFT(High-brightness, wide viewing angle) GT1585-STBA AC type SVGA GT1585-STBD DC type Resolution : 800 × 600

12.1" TFT (High-brightness, wide viewing angle) type GT1585V-STBA AC type







10.4" TFT(High-brightness, wide viewing angle) type GT1575-STBA AC type

Resolution : 800×600 Display colors : 65536 colors Video/RGB model

SVGA GT1575-STBD DC type

Display colors : 65536 colors

Resolution : 800×600

Display colors : 65536 colors











Resolution : 640×480 **Display colors : 16 colors**





5

Functions bearing this mark are available only on the GT15 series models. All other functions are supported by both the GT11 and GT15 series.

6



Standard models offer a full array of basic functions for stand-alone use Standard models

A convenient, standard model with usability as a design concept. Even beginners can utilize the

brilliant performance of the standard series.



Resolution : 320 \times 240 Display colors : 256 colors



5.7" STN type GT1155-QSBD DC type QVGA GT1155-QSBDQ DC type Q bus connection (NEW) GT1155-QSBDA DC type A bus connection NEW

> Resolution : 320 × 240 Display colors : 256 colors





Resolution : 320×240 **Display colors : 16 gray scales**





5.7" Handy GOT/STN

QVGA GT1155HS-QSBD DC type

Display colors : 256 colors

Resolution : 320×240





Compact models include all the basic functions required for a HMI display

Compact models

GT1

A compact model which meets customers' needs. The usability of the GOT1000 series in its simplest design.



Display colors : Monochrome (black/white) (Tricolor LED (green/orange/red))





Resolution : 288 × 96 Display colors : Monochrome (black/white) (Tricolor LED (white/pink/red))





Resolution : 160 × 64 Display colors : Monochrome (black/white) (Tricolor LED (green/orange/red))



Resolution : 160×64 Display colors : Monochrome (black/white) (Tricolor LED (white/pink/red))

* : For the detailed functions of the GT10 series, see pages 43 - 45.

GOTSolution Ensuring safe operation, the GT15 offers better solutions for you.

CASE

1

Don't panic when encountering unexpected errors

- Quick troubleshooting at the worksite



<For more details, see pages 34 to 38 of this catalog.>





GOT Solution

2

CASE

Quickly detect the cause of the problem to minimize production loss due to unexpected product failures



CASE 3

Backup your sequence programs on the GOT. Keep your system safe in case of a PLC failure.





GOT Solution For a wide variety of applications, the GT11/GT10 fits all parts of the production line.

CASE

Portable handy type GOT expands machine design flexibility and increases work comfort.



CASE

the GOT1000 series



<For more details of functions, see pages 43 to 45 of this catalog.>



GOT1000 provides a variety of functions to satisfy user requirements

Usability depends on who the users are and where they carry out their tasks.

Designers want to use the most advanced HMI technology, while maintenance engineers want the safest HMI for their facilities. To satisfy all of our customers, we are constantly developing more and more functions for the GOT1000.



To restore a system as soon as possible, response capabilities for "just in case" situations is the key to selecting a HMI display.

Advanced alarm

For maintenance personnel

-

| Logging function |
|--------------------------------------|
| Historical trend graph |
| Operator authentication function |
| Operation log function |
| Document display function |
| Color-coded front face LED |
| Maintenance time notification |
| function |
| Backup/restoration function |
| List editor for A/List editor for FX |
| Ladder monitor function |
| System monitor function |
| Q series motion monitor function |
| Intelligent unit monitor function |
| Network monitor function |
| Servo amplifier monitor function |

CNC monitor function



Greatly improved comment input, language selection and screen drawing efficiency

edited

Management of project data line by line is no longer required.

Example of comment group use

Line-specific comment groups are created.

Efficient input of extensive comment data

Comment groups

- CSV/Unicode text format files can be imported. Multiple files can also be imported to individual comment groups, allowing the comment input task to be distributed among several workers, greatly reducing the required input time.
- GT Designer2 allows easy column and line insertions and comment No. changes similar to those offered by Microsoft® Excel.



GOT1000



No need to adjust character string length GRAPHIC OPERATION TERMINAL

Automatic length adjustment of comment group labels

- Automatically adjusts character size and inserts line feeds according to the object size.
- <Supported objects> Touch switches or lamps where "comment group" is selected for labels · Comment displays where "comment group" is used 燃料を確認してください。 When switching languages, character string length is automatically adjusted to it within the object. confirm remaining amount of fuel

Easy-to-create language switching screens GRAPHIC OPERATION TERMINAL

Comment groups for switch and lamp labels

• Comment groups can be used to display label names on touch switches and lamps.

<Supported objects> • Touch switches, lamps





Multilingual support

- Different language comments can be created for each comment group column to switch the display language.
- Up to 10 columns can be created for 1 comment group.
- Comment group comments can be created freely for applications, as well as for different languages.
- * : For details, see "Comment group" section

Convenient for language switching

When stroke fonts are used with switching languages for touch switches, lamps or comment displays, the character size is automatically adjusted by the size of the object. There is no need to adjust the size of the object when creating a multi-language screen.



For better work efficiency and enhanced customization functions GOT1000

Script function

Project script/screen script

- Controlling GOT display by using GOT scripts can reduce the load on PLCs (PLC CPU, microcomputer, etc.) dramatically.
- Input support function makes it easy to specify functions and properties, thereby preventing spelling errors and reducing the time to look up control statements.







2 Set the column number to be displayed within the language switching device.

3 The displayed comment (language) changes.

Object script (GT15 only)

- Drawing and display control functions can be specified for every object, allowing objects to be easily used in other projects.
- Scripts make screen display control highly flexible by changing properties (colors and display positions) and making the object design process flexible.

Now the optional function board (GT15-FNB) is not required. For more details, see Notes for Use on page 59.





Draw a line to show the average value according to monitor device values.

clear object():

[w:TMP0003] = ([w:D0] + [w:D1] + [w:D2]) / 3; [w:TMP0001] = 320 - (320*([w:TMP0003] /1000)): // Calculate the position to display the line d line(0, [w:TMP0001], 380.[w:TMP0001], 0, 3, 255); // Draw the line [w:D0003] = [w:TMP0003];



- // Delete the previous object (including the line).
- // Calculate the average value.

- // Assign an average value

language switching device

Improved usability provides designers with more comfortable and flexible screen design options

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GOT1000



Designing without memory capacity limitations

GOT1000

- Vastly increased memory capacity
- GT15 memory capacity can be optionally expanded up to 57MB (optional function board with add-on memory + CF card).
- GT11 has 3MB memory standard.
- BMP and JPEG* images can be used to create easy-to-understand screens with minimal memory usage.
- *: JPEG format is supported only by GT15.

Increased flexibility

in designing screens

of design.







Transparent bitmap figures

- Designers can specify a transparent color for bitmap data.
- Since the background of figures (not limited to rectangle) can be made transparent, the expressiveness of screen design is widely expanded.



Easy check and analysis of resource data GOT1000

CSV/Unicode text file conversion

Binary resource data files can be converted into CSV or Unicode format text files by external control using a trigger device.





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you to check alarms and other GOT or system information with a personal computer, on which GT Designer2 is not installed, from remote locations

Simplify complicated production setup with the GOT



This function allows material combination data and processing conditions data (device values) to be held in the GOT, with only the required data being written to and read from the PLC.

Extensive number of recipe files, device points, and record points Greatly expanded capacity permits up to 2048 recipe files • Up to 2000 types of device values can be handled by a and 32767 device points. single advanced recipe setting file. Version upgrade Flexible recipe data can now be created. Flexible recipe data can be created by combining advanced Because devices also permit bit and word combinations and recipe settings and records. arbitrary device settings, there is no need to centralize the sequential devices used, thereby economizing the total Reading/writing is performed by specifying the recipe No. number of device points used. and record No., eliminating the need for a trigger device for each file. This reduces the number of devices, and permits • Advanced recipe files can be converted into CSV or Unicode trigger device concentration. *1 format text files, and can be edited on a personal computer. *2 Up to 2048 blocks can be used, each block comprises of sequential word devices, an arbitrary word device (1 point), and a bit device (1 point). Advanced recipe setting 2048 Advanced recipe setting 2: Stew dvanced recipe setti Advanced recipe setting 1: Curry E- Advanced Recipe Record 2 Pork curry Record 3 Device Record 1 Beef curry Devices Advanced Recipe Co 300 1 Curry Pork 01001 300 2 Cream Soup D1002 Chicke 300 500 600 3 Borscht Onion 400 400 Potato 300 200 Carro 200 250 Max. 2048 settings/project Record



Easy handling of recipe data at GOT

- Recipes can be handled easily by the GOT's utility function without having to create a recipe operation screen.
- The utility function permits the following operations: folder create/delete, advanced recipe file copy/delete/rename change, record write/read/consistency check.

Now the optional function board (GT15-FNB) is not required. For more details, see Notes for Use on page 59.

* 1 : The "recipe No. saving device, "record No. saving device," and the "external control device" can be specified in the advanced recipe common settings in GT Designer2. (These settings are required when using Advanced Recipe) After values are saved to every device, reading and writing of the recipe data is enabled in accordance with the ON/OFF status of the external control device. (It is also possible to specify a trigger device for reading/writing each advanced recipe setting) * 2 : The advanced recipe file has a binary format. It must therefore be converted to a CSV file or a Unicode text file by using GT Designer2 or the GOT's utility. After being converted, only the device values can be edited. When more than 251 records are included in an exported Advanced Recipe file (CSV or Unicode text format), use a text editor or Microsoff® Exce 2007 to open the file







Connectability to various types of FA equipment and peripheral devices including support for sound output and external I/O

Continuously expanding connectable devices and models GOT1000 🥖

Wide selection of connectable FA devices and peripherals

PLCs

- Expanded manufacturers and models of PLCs NEW
- Matsushita Electric Works : EP-X
- Allen-Bradley (Rockwell) : ControlLogix series CompactLogix series FlexLogix series
- Allen Bradley (Rockwell) : EtherNet/IP connection (PCCC protocol) to ControlLogix series and CompactLogix series will be supported. Coming soon

Microcomputers

- Supported protocol
- Mitsubishi Q/QnA/A computer link unit (8 types)
- GOT-A900 series compatible (2 types)
- GOT-F900 series compatible (2 types)
- Digital Electronics (Proface) memory link format (3 types)

Temperature controllers

- Expanded manufacturers and models of temperature controllers (NEW)
- CHINO Corporation
- Data logging, parameter setting, and alarm display for temperature controllers are possible.

* : Connectable models and usable functions vary depend on the GOT main unit. For more details, see List of Connectable Models (page 48), Notes for Use (page 59) and Functions List (page 62).

Mitsubishi CNCs

- Monitoring and writing of devices, which are equivalent to MELSEC-Q4A, are supported.
- CNC parameters can be specified by using the CNC monitor function
- *: For more details on the CNC monitor function, see CNC monitor function on page 41.

Mitsubishi servo amplifiers

- MR-J2S- CP point tables can be edited. Connecting the GOT to servo amplifier allows easy editing of the positioning parameters.
- Users can create parameter setting, alarm display, and test operation screens. There is no need to create screens to use the servo amplifier monitor function.
- *: For more details on the servo amplifier monitor function, see Servo amplifier monitor function on page 41.

Mitsubishi inverters

• Up to 10 inverters can be connected in multi-drop connection with capabilities of parameter setting and alarm display.

Other peripheral devices

External devices (operation panels, switches, lamps, and relays)

PictBridge

- Speakers (NEW) Video cameras Displays (RGB output)
- Personal computers (RGB input)
- The latest PictBridge printers can be connected with a USB cable

• Print GOT screens (Hardcopy function) and output production results (Report function) when an error occurs.

Two-dimensional code readers and barcode readers



Direct connection to I/O devices simplifies your system

GOT1000 🧖

External I/O function

- Connecting various I/O devices (e.g. hard switches, lamps. sensors, relays) directly to the GOT can reduce PLC I/O connections and wiring in order to reduce the cost of your system.
- A user-created operation panel can be connected to use Numerical Input and ASCII Input without displaying key windows on the GOT screen

Control panel



<Input: Max. 128 device points (16 input points × 8 scanning points = 128 points), Output: Max. 16 points>

[Required device] • External I/O unit (GT15-DIO)

Additional CF card unit for more convenient use

GOT1000

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CF card unit/CF card extension unit

The standard CF card interface unit (A drive) and the optional CF card interface unit (B drive) can be used for separate purposes.



Required device] • CF card unit (GT15-CFCD) or CF card extension unit (GT15-CFEX-C08SET)



Monitor, collect, and archive data with the GOT

15 Central storage of FA device information on a single GOT terminal GOT1000 **Multi-channel function**

Monitor up to 4 channels of FA devices (e.g. PLCs, servos. inverters, and temperature controllers).

Monitor all FA devices on a single screen on the GOT. The monitor screen can be flexibly designed.



Examples of using the multi-channel function Third party PLCs MELSERVO + Microcomputer MELSEC + Third party temperature controllers MELSEC Brand "A" Brand "B" Servo amplifie Brand "B" PI C temperature controlle temperature controlle (Pulse train type) Easy data exchange between PLCs Monitoring of third party devices Central management of alarms and parameters Stand-alone PLCs (FX, or third party PLCs) + MELSECNET/H Third party PLCs + temperature controllers + inverters Example of communication unit combinations Serial -Back of GOT communicatio unit MELSECNET/H Microcomputer EX third party PLCs Bus communication Stand-alone devices can be connected to the network Up to 4 simultaneous communication channels *: The number of channels and functions, which can be used with the multi-channel function, vary depending on the connection configuration. For more details, see Notes for Use on page 59.

15 Be alerted to worksite errors and collect device data from an office desk GOT1000

Gateway function

The gateway function remotely monitors the worksite and supports remote maintenance from the office.

1 Collect data on a personal computer (server function)

- A GOT (server) can be monitored from the host personal computer (MX Component) to perform indirect reading/writing of connected devices being monitored by the GOT.
- Even when monitoring third party devices, the server function can be used to perform reading/writing with the MX Component alone.
- * : The collected data can be displayed and analyzed by Excel without using any programs other than MX sheet. Programming Visual C++ and Visual Basic enables applications to be flexibly designed and built.



2 Monitor other GOTs from a GOT (client function)

- A GOT (client) indirectly reads/writes device values of equipment monitored by the GOT (server).
- The client function can also be used to indirectly read/write device values of PLC CPUs other than the one to which the GOT (client) is connected.
- Communication is possible between GOT1000 and GOT-A900.

3 Direct check/edit of data in CF card (FTP server function)

- Files in the CF card within the GOT (e.g. alarms, recipes, and hard copies) can be directly read and written from a personal computer.
- No need to visit all factories to collect CF cards from all GOTs when there are multiple GOTs or when a GOT is located far away from the personal computer.

4 Mail send function

- The alarm history display function can transmit alarm occurrences and recovery information by e-mail to personal computers and mobile phones.
- Error information can be checked from locations far away from the worksite.



Required devices] • Ethernet communication unit (GT15-J71E-100) • Communication unit for connection between the GOT and the connected equipment Now the optional function board (GT15-FNB) is not required. For more details, see Notes for Use on page 59.

15 Database linkage supports enhances productivity at your worksite GOT1000 🥖

MES interface function

The GOT transmits data from connected FA devices to the server personal computer database via SQL statements.

- For communication with the database, just specify the necessary data in GT Designer2 without programming. There is no need to use a gateway personal computer and complicated programs to communicate with the MES database server.
- If an error occurs during communication with the database, buffering of the transmission data (SQL statement) and recording an error log are possible. Important data can be protected, and errors can be analyzed.
- When trigger conditions are met, the actions (data calculation and transmission) are stored in the buffer. The GOT can securely execute actions without any omission even if data sending is concentrated temporarily and actions cannot be executed immediately.



[Required devices] • Optional function board (GT15-MESB48M) • Ethernet communication unit (GT15-J71E71-100) • Communication unit to connect the GOT and the device to be used • A personal computer with screen resolution 1024 × 768 or higher for configuration is recommended. For more details, see Notes for Use on page 59





MES interface function

- DB Interface function (Tag function, trigger buffering function, trigger monitoring function, SQL sentence transmission function, calculation processing function, program execution function, and DB buffering function)
- SNTP time synchronization function
- Diagnosis function
- DB server function

(ODBC connection function, connection setting function, and log output function)

Connectable database

- Oracle[®] 8i/9i/10g
- Microsoft[®] Access 2000/2003
- Microsoft[®] SQL Server 2000/2005 NEW
- Microsoft[®] SQL Server 2000 Desktop Engine (MSDE2000)
- Wonderware[®] Industrial SQL Server 9.0 NEW

-<MES (Manufacturing Execution System)>

A manufacturing execution system (MES) is a system which controls and manages the production processes at a worksite in order to optimize quality, productivity, delivery date and cost.

connect production information and MES (manufacturing execution

A screen design software with many user-oriented functions, making custom screen creation easy







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The latest developments and functions of GT Designer2



Crystal clear display, easy-to-create screens

High-quality parts library

- User library can be easily imported.
- A variety of styles and designs are available for touch switches and lamps, easily permitting customized designs.
- designs.
 All users can easily design sophisticated screen by using high-guality parts.



GOT1000

หยุดฉุกเ ฉิ น

Chinese (Traditional Chinese)

GOT1000

Elegant characters in any font and size

An assortment of fonts allows for more expression

- The Unicode2.1 compatible standard font, high-quality font, and TrueType font display sharp and attractive characters in all languages.
- When using a Windows[®] font, the font style (italic, underline, italic underline) can also be specified.
- Since the curve of stroke fonts are clear even if it is enlarged or reduced, the font size can be incrementally adjusted. Thai and Chinese (Simplified and Traditional) are available as well as Japanese.

Easy confirmation of screen display

Screen preview

 Language switching, security level change and on/off image switching of objects can be checked with GT Designer2 on a personal computer.









Library color selection function

Library images can be displayed by color. The new sort method helps users quickly look for the image to be used.



Selecting screens from a thumbnail list improves your work efficiency

Screen image list

 Screen image list displays all base screens and window screens, and allows users to copy or delete screens and change the screen numbers. Double-click on a thumbnail image to edit the screen.



| Window | preview |
|-------------------|---------------------------------------|
| dor screen | GOT1000 GRAPHIC OPERATION TERMINAL |
| GOT soroon | |
| Display of actual | |

- The screen design software can display window screens (key windows, overlapping windows, superimposed windows) just as they would appear on the GOT, allowing them to be previewed.
- The key pad can be displayed just as it would appear on the GOT, allowing its position, size, and appearance etc., to be checked.



Convenient when converting different screen size data

GOT1000

GOT1000

Automatic size adjustment of direct input characters

 When changing the object size, directly entered characters are automatically adjusted according to the object size.
 <Supported objects> • Touch switches, lamps



Batch change of objects and figure sizes

Multiple object enlargement/reduction

Multiple objects and figures can be enlarged or reduced at once.

This tool is useful for adjusting the size of components such as numerical keypads registered in the library and replacing the screen data with that from a different screen size.



Enhanced functionality including F900 compatible functions (ex. Synchronized screen change) GRAPHIC OPERATION TERMINAL Complete conversion of GOT-F900 series data

Changing screens is now synchronized with touch switch operations, increasing comfort of operation.



Auto-repeat function that runs on specified intervals.





Adjust the angle and size of the CAD data in the dedicated preview screen, then paste it onto a screen.

Flexible screen design and data use functions provide smooth and comfortable operation

GOT1000

GT Designer 2 Version2

Easy comment registration using Microsoft® Excel

Comment registration

GOT1000

- The comments selected on Excel can be copied/cut and pasted into the comment list.
- Comments selected on the comment list can also be copied/cut and pasted into an Excel sheet.



User-friendly setting procedure puts even beginners at ease GOT1000

Wizard function

- When creating a new project, the GOT type, the number of colors, communication configuration and other settings can be interactively set in order.
- All the required settings on GOT can be smoothly set by using the Wizard function.



GOT1000

Make the most out of existing **GOT projects**

Backward compatibility

- GOT900 \rightarrow GOT1000 compatibility GOT900 project data can be used with the GOT1000.
- GOT800 \rightarrow GOT1000 compatibility
- GOT800 project data can be converted into data for the GOT1000 with GT Converter2.



* : Backward compatibility does not extend to certain data and functions

Higher efficiency by using familiar software

Improved import/export function

- Device data, range settings, device values, and comments, which have been created in a CSV/Unicode text file format, can easily be imported/exported to/from GT Designer2.
- This function is useful to import a large amount of data such as logging, advanced recipes, recipes and comments.



Better project data maintenance efficiency GOT1000

Project data consistency check function

- Consistency checks between the GOT's project data and the personal computer project data can be performed.
- This allows project data inconsistencies to be identified. thereby reducing unnecessary uploads and downloads.



Easy project data conversion Converter2 Version2 GI

- This software converts project data created with older screen design software to the data for GT Designer2 (GOT1000 or GOT-A900). (Included with GT Works2 and GT Designer2)
- Supported screen design software • GOT800 series screen design software (SW3NIW-A8GOTP)
- ProFace drawing software (GP-PRO/PBI series)



* : Backward compatibility does not extend to certain data and functions

Fast and simple data transfer tool considerably improves work efficiency GOT1000

Data transfer tool

The data transfer tool, dedicated for project data upload/ download, is included with GT Works2 and GT Designer2.

Even if screen design software is not installed on your computer, GOT project data can be uploaded/downloaded using the data transfer tool.



A simple operation to create clear, sharp document images GOT1000

Document converter

The document converter, converting files for use with the document display function, is included with GT Works2 and GT Designer2.

- When converting documents, the image quality of the documents (brightness, contrast, sharpness) can be adjusted.
- The document converter software creates clear and sharp document images.
- * : For more details, see the document display function on page 38.
- * : To use the document converter, Ghost Script GPL8.15 or later is needed. For more details, refer to the GT Designer2 Version 2 Screen Design Manual.





The project data can be easily uploaded and downloaded at the worksite where there is no screen design software, by operators without special training. This means that designers do not have to visit worksites to make program changes.

Supported GOT model GOT1000, GOT-A900, GOT-F900, GOT800

orted Windows OS Windows[®] XP, Windows[®] 2000





Time-saving debugging and simulation software

For designers

GT Simulator 2 Version2

GT Simulator2 helps designers debug projects by simulating GOT operations on a personal computer.

Debugging from a single personal computer

- GT Simulator2 can be used in combination with a sequence program simulated by GX Simulator, allowing debugging to be performed in an intuitive manner from a single personal computer.
- The GT Simulator2 screen debugging function permits screen editing in GT Designer2 with the results immediately verifiable in GT Simulater2, thereby greatly reducing debugging man-hours.
- The touch switch input is simulated by clicking the mouse. In addition to monitoring devices, GT Simulator2 can be used to check stored data such as system alarms, script error information, and alarm history.





Debugging is possible by connection with a PLC, without actual GOT operation required

• Debugging can be performed using a direct CPU connection between a personal computer (GT Simulator2) and a Mitsubishi or Omron PLC, without an actual GOT unit.

| Connectable PLC | PLC ⇔ Personal computer connection | | |
|------------------------------------|------------------------------------|--|--|
| Mitsubishi PLC (Q/QnA/A/FX series) | CPU direct connection | | |
| Mitsubishi CNC (MELDAS C6/C64) | RS-232, RS-422 | | |
| OMRON PLC | CPU direct connection RS-232 | | |

Powerful support of customer specifications, compatibility checks and document creation

- While observing the operation image, the customer's screen specifications can be arranged without actual unit operation.
- Screen snapshots can be printed and saved as BMP/JPEG files which are extremely useful when creating specifications and operation manuals.





Quick response and useful standard functions provide users with comfortable operation

| Dramatically improved GOT total response | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Drawing, computing, communication; a triad of high-speed response functions | |
| The GOT1000 series offers faster response in drav and communication, reducing monitoring and ope | ving, computing ration stress. |
| High-speed drawing Equipped with an ultra high-speed (GT15 only) | eed graphics chip |
| High-speed drawing of figures and characters is made possible by us graphics chip specifically for the GOT1000 series. Sharp and quick drawing of complex, layered component screens, and detailed | ing the specially develo |
| High-speed computing GT11: Equipped with 64-bit RIS GT15: Equipped with 64-bit sup Oltra-high performance processing power to satisfy the most complex a | C processor er-scalar RISC proc and demanding of applic |
| High-speed communication | |
| Greatly improved response performance. High-speed RS-232 communication (max. 115.2 kbps). GT15 high-speed communication is possible by bus connection. GT1 is now also possible by bus connection. NEW High-speed communication is possible for connections with both Mits | I1 high-speed communi ubishi and third party Pl |
| * For connectable PLC models, see the List of connectable models, starting on page 48. | |
| Customized dialog windows showing custom messages to operators GRAPHIC OPERATION TERMINAL | Easy swi to global |
| Dialog window function | Displa |
| Instead of using system dialogs (e.g. input error at numerical input), users can customize dialogs to display help on user operations or troubleshooting messages when alarms occur. With templates such as icons and an OK button, users can easily create dialogs with the wizard function. Touch switches, numeric displays, comment displays and figures can also be utilized. | The Unicode TrueType fo Correctly disponent Allows the contractive ar |
| Comment Comment From Check the following items. Overrun of conveyor belts Cable disconnection Switch breakdown | The langua can be set Traditional |
| | Chinese (Simpline |



h-speed communication

i and third party PLCs.

Easy switching between different languages to globalize your production site GOT1000 **Display in different world languages**

- The Unicode2.1 compatible standard font, high-quality font, and TrueType font display sharp and attractive characters in all languages.
- Correctly display Simplified Chinese and Traditional Chinese characters*
- Allows the creation of elaborate, high-quality screens that are both attractive and easy to understand.



The language displayed on the GOT main unit utility screen can be set to Japanese. English. Chinese (Simplified/ Traditional*), Korean (Hangul), or German.



For operators

To minimize production man-hours, the GOT provides user with worksite-required functions

Easy data transmission without opening the cabinet

Equipped with front USB interface

GOT1000

- The front USB interface allows a programming cable to be connected without having to open the cabinet.
- Data transmission using the USB interface greatly reduces the time required for startup and adjustment.
- When secured by the provided screw, the USB port cover complies with the IP67f standard*. (The screw can easily be tightened with a coin.)
- * : Compliance cannot be guaranteed in all customer environments.





* : To connect the GOT to a personal computer, use the dedicated USB cable. For more details, see Product List on page 68.

Sequence program and parameters can easily be modified at the worksite

FA transparent function

- Sequence program debugging, startup, and adjustment can be performed via the GOT's front USB interface.
- There is no need to open the cabinet and change cable connections. (Operation is also possible via the RS-232 interface.)
- When multiple FA devices are connected, the communication target can be changed on the GOT main unit using the multi-channel function.





With USB cable



(with IP67f-rated port cover installed)

Supported software*

- GX Developer
- Q/QnA/A/FXCPU, motion controller (A series) GX Configurator
- Intelligent function module for the Q series (AD/DA/SC/CT/TC/TI/FL/PT/AS)
- PX Developer Process CPU (Q12PHCPU/Q25PHCPU)
- Redundant CPU (Q12PRHCPU/Q25PRHCPU) • MT Developer
- Motion controller (Q series)
- MR Configurator
- Q172HCPU(-T)/Q173HCPU(-T)+MR-J3- B (SSCNETIII) FR Configurator
- FREQROL A700/F700
- * : The version of the software depends on the system configuration.







For GOT data transmissions & a variety of external connections GOT1000 **Standard-item RS-232 interface**

- Both the GT15 and GT11 have RS-232 interfaces located in convenient positions (bottom and side respectively) for cable connection. The GT11 also has a RS-422 interface.
- RS-232 interface is used for FA device connection, data transmission and bar-code reader connection. etc.



* : To connect GOT and a personal computer, use the dedicated RS-232 or RS-422 cable. For more details, see Product List on page 68.



RS-232 interface CF card interface





* : Ethernet communication unit (GT15-J71E71-100) must be installed on the GOT main unit where basic functions have also been installed.

Multi-purpose CF card interface for functions such as data transmission and alarm storage

Multi-purpose CF card interface

- All models are equipped with a CF card interface standard.
- The CF card interface permits rapid GOT data transmission even when the GOT is not connected to a personal computer by cable.
- When using multiple GOT units, a single CF card enables a quick GOT setup procedure simply by copying the data to each GOT unit.

Error detection and recovery through the GOT's Alarm Function with advanced features

torage



Advanced alarm

Advanced alarm features

A wider monitoring range protects even large-scale systems 2 Rapid detection and corrective action for a wide array of alarms **3** Easy-to-understand error displays for the operator Alarm o for 4 Improved system alarms 32767

5 Support in identifying alarm causes

| bservation | Alarm observation settings | Alarm display settings History fil |
|---------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------|
| bservation up to | Unit "A" observation settings Unit "B" observation settings | Display of active and recovery-completed alarms Display of active |
| devices | Max. of 255 | Popup display |

A wider monitoring range protects even large-scale systems

- Alarm observation is possible for up to 32767 devices with a maximum of 255 alarm observation setting groups.
- Three types of alarm displays can be specified for a single alarm observation setting.
- Up to 32767 alarms can be saved in the alarm history.
- Batch display of large amounts of alarm information in large-scale systems, and unit-specific classification for easy management.

2 Rapid detection and corrective action for a wide array of alarms

Four-step alarm notification

• Alarm occurrence conditions can be divided into 4 steps and conveyed to the operator in an easy-to-understand, step-by-step format.

For example,

- **STEP1:** Alarms by line (upper step)
- **STEP2:** Alarms by unit (middle step)
- **STEP3:** Alarm content (general step)
- **STEP4:** Troubleshooting (detail step)

When multiple alarms occur, the above format permits the operator to quickly organize and identify the alarm conditions (what happened and where), resulting in effective troubleshooting.

The contents of the 4 steps shown above can be freely defined to suit the application in question, with switching between the step displays performed by the step switching device or by touch-screen operation.

Group-specific & level-specific displays

- Alarms can be classified by group and level, with only the specified alarms being displayed.
- This makes it easy to identify the locations and types of alarms even when many alarms have occurred, and permits higher priority alarms to be handled first, resulting in a speedy system recovery.





By group:

Alarms are divided into groups (e.g. transport unit group, processing unit group), with alarms displayed only for the specified groups.

By level:

Alarms are divided into levels (major, mid-level, minor), with only the specified level alarms displayed.

Combination of group & level:

Only the specified group and level alarms are displayed.

3 Easy-to-understand display

The use of colors and popups produce easily recognizable alarm displays.

Ensuring that alarms are not overlooked and that the alarm contents are understood, results in a speedy system recovery.



4 Improved system alarms

- The PLC/GOT/Network monitoring subject can be specified in advance, with only those specified alarms being displayed.
- It can be set so that only the active alarms are displayed. Alarm history display and history file storage are also possible.

5 Support in identifying alarm causes (utility function)

- Alarm occurrence conditions can be displayed in time-series graph form.
- Alarm occurrence counts can be displayed in bar-graph form.
- A graphical statistics display facilitates efficient analysis of error causes.





GOT provides complete traceability for safe and secure operation



*: Logging function settings are required to use historical trend graph

Now the optional function board (GT15-FNB) is not required. For more details, see Notes for Use on page 59.

- _{ет} 15 Enhanced security system by password control GOT1000
 - **Operator authentication function**
- When starting up the GOT or switching screens, a login screen appears to authenticate the operator name and password. The display and operation screen depends on the operator logged-in so that security is strengthened.



Setting the level (authority) of operation and display for each operator can strengthen security and prevent operation errors.

_{ст} 15 Helpful for identification and analysis of problem causes GOT1000 **Operation log function**

- Operations performed by operators on the GOT can be recorded with respect to time.
- When problems occur (e.g. system error), users can confirm when and how the operations were performed by referring to the operation log, using it to specify and analyze the cause



Refer to the operation log file, and investigate the prol

[Required devices] • CF card Now the optional function board (GT15-FNB) is not required. For more details, see Notes for Use on page 59.

- If there is no operation for a certain period of time after logging-in, the login screen appears again, and the password must be re-entered to start operation. This prevents incorrect operation.
- lt is possible to add operators and change passwords in the GOT main unit utility screen.





- Users can specify which operations to save in the log by changing the device value and GOT operation state. <Specifiable operations> Touch switch operation, numerical input operation, security level change, screen change, etc.
- The operation log is saved in the CF card, and the data can be edited and analyzed on a personal computer. In addition, the data can also be displayed on the utility screen of the GOT main unit.

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Functions designed to support maintenance work significantly reduces downtime!

Display various documents on the GOT at the worksite _{ат} 15

GOT1000

Document display function

- When a system error occurs, referring to recovery methods in check lists and/or manuals on the GOT can reduce downtime.
- Even if there is no personal computers at the worksite, operation guidance and work instructions can be displayed on the GOT.
- Pages can be changed, scrolled through, enlarged or reduced, and multi-page documents can be displayed.

- Document converter* is used to format documents to be displayed and save them to CF cards as JPEG files.
- Documents created by applications such as Microsoft[®] Word can be used, reducing the man-hours of screen design.
- Supported file format: doc, xls, ppt, pdf, jpg, bmp
- The brightness and contrast of difficult to read documents can be adjusted when the documents are converted with the document converter to allow for better viewing on the GOT.



Display of documents and manuals on the GOT can reduce downtime.

[Required devices] • Optional function board (GT15-QFNB (M) or GT15-MESB48M) • CF card * : For more details, see Document converter on page 29. For more details, see Notes for Use on page 59.

Easy-to recognize backlight state

Color-coded front face LED

The color of the LED on the front of the GOT unit indicates whether the backlight is OFF or has expired.

[Power LED: Color-coded message]

| Green ON | When normal power is being supplied |
|-----------------------|-------------------------------------|
| Orange ON | When in screen-save mode |
| Orange/green blinking | When backlight life has expired |
| OFF | When power is not being supplied |

For planned commodity maintenance GRAPHIC OPERATION

Maintenance time notification function

- The backlight lifespan can be automatically monitored to notify the operator when in need of maintenance.
- Facilitates scheduled maintenance, thereby preventing system malfunctions.

<Subject to be monitored> Backlight, display area,

and built-in flash memory

touch kevs.



Warning! Backlight needs replacement soon.



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GOT1000



Backup/restoration function

The sequence program and parameter data of the PLC CPU is backed up to the CF card in the GOT. Users can perform batch operation to restore the data to the PLC CPU.

Example of use(1)

In case of PLC CPU failure, users can quickly replace the faulty device and restore the system by using previously backed up data.



PLC CPU programs can be easily changed without a personal computer at the worksite or any previous GX Developer knowledge.

[Required device] • CF card *: When replacing the PLC CPU, the restoration function may not be available depending on the system configuration and connection type.

Convenient method for

minor program changes onsite GOT1000

List editor for A/List editor for FX

- MELSEC-A series, FX series PLC sequence programs can be edited in a list format (instruction word).
- Permits minor program changes onsite, even without peripheral devices.
- The GT15 permits sequence program editing while viewing the ladder circuit (combined with the circuit monitor function).

Now the optional function board (GT15-FNB/GT11-50FNB) is not required. For more details, see Notes for Use on page 59

[Required devices] • Battery Now the optional function board (GT15-FNB) is not required. For more details, see Notes for Use on page 59.



<Objective data> Sequence programs, parameters, device comments, device initial value data <Objective model> MELSEC-Q series PLC* <Usable connection type> Bus connection, CPU direct connection, computer link connection Ethernet connection (host only) * : Excluding Q12PH/Q25PHCPU, Q12PRH/Q25PRHCPU.

Example of use²

When a problem occurs, or when the PLC CPU program is updated, the sequence program data can be transferred, analyzed, and corrected without requiring an experienced engineer, increasing time and cost efficiency.





Extensive FA device compatibility reduces your maintenance work

15

GOT Ladder Monitor Function is greatly improved with One-Touch Ladder Jump function GOT1000 🥖

Ladder monitor function

MELSEC Q/QnA/A/FX series PLC sequence programs can be monitored in a circuit diagram (ladder format).

Wide monitoring range

Not only the PLCs connected to the GOT, but also the PLC of other stations, multiple CPUs, multiple programs in the CPU, and local devices (Q series only) can be monitored.

One-Touch Ladder Jump function (Q/QnA series)

• By setting a program name and coil number of the PLC to a touch switch, the relative ladder circuit block can be displayed directly.



For the touch switch, users can set the PLC station No., CPU No., program name, and coil No. The touch switch will then display the corresponding ladder blocks within the multiple programs that are contained in the PLCs connected to the GOT, other station PLCs, and multiple CPUs. Local devices can be monitored for the Q series PLC.

Other useful functions

- Device values and timer (T)/counter (C) setting values can be changed.
- When a problem occurs, the alarm history can be displayed and a back-tracking ladder search can be performed to find the contact which triggered the alarm. < Defect search>

Example of defect search (when error indicator light [Y30] is on)



Since the cause of operation halts and interlocks can be checked, unexpected problems can be detected quickly.

[Required devices] To use Q/OnA Ladder Monitor Function, the optional function board GT15-OENB (
M) or GT15-MESB48M is required Now the optional function board (GT15-FNB) is not required to use the Ladder Monitor Function for A series. For more details, see Notes for Use on page 59.



· Ladder Monitor Function is supported by GT15 series XGA/SVGA/VGA models

Device comments are stored in GOT CF card (Q/QnA series) -

- Since the comment data of sequence programs can be stored in the GOT CF card to be displayed in the Ladder Monitor screen, the memory capacity of the PLC is greatly saved.
- Device comments in the sequence programs written in Korean (Hangul) characters can also be displayed.

How to use One-Touch Ladder Jump function-

Select [SP Function]-[Ladder Monitor] from the touch switch property dialog.



Simply touching the Ladder Monitor screen executes the coil search and contact point search. (Q/QnA series) Tracing from contact to coil, the cause of the problem can be easily found. <Touch search>

PLC device monitoring/changes

GOT1000

System monitor function

- Mitsubishi PLC CPU devices can be monitored and changed.
- Monitoring can be performed by selecting the device to be monitored, or by specifying the initial device.
- The current values and setting values of the timer (T) and counter (C) can be changed.
- The buffer memory (BM) of a special function unit can be monitored and changed. The display format

(decimal/hexadecimal) and

the device comment display

status (on/off) can be switched.



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GOT1000

Easy adjustment of

Q series motion controller

Q series motion monitor function

- Monitoring of servo amplifiers and parameter settings of Q motion controllers can be performed.*1
- Monitoring and parameter setting can be performed for up to three Q172(N)/Q173(N) and Q172H/Q173H NEW units on the same base unit.
- *1 · Supported only if the Q series motion controller CPU has SV13/SV22 OS version. Moreover, available functions of the Q series motion monitor vary according to the CPU type.



15 Easy-to-understand display of buffer memory values and I/O information GOT1000

Intelligent unit monitor function

- Buffer memory values of intelligent function units and the ON/OFF status of I/O units can be monitored and changed.
- When a QCPU (Q mode) is in use, the CPU operating status and existing errors can be monitored by PLC diagnosis.

* : Supported by GT15 series XGA/SVGA/VGA models



15 At-a-glance monitoring of **MELSECNET** network status

Network monitor function

- Network status of the MESLECNET/H. MELSECNET/10 and MELSECNET II can be monitored on a dedicated screen.
- Communication line and information from the host and other stations can be monitored to check the communication status.





15

Easy startup and adjustment of servo amplifier

Servo amplifier monitor function

- In a system which outputs pulse strings, the GOT can be connected to a servo amplifier in a serial connection to perform the following operations: setting up, monitoring, alarm display, diagnosis, parameter setting, and test operations.*2
- When multiple servo amplifiers are connected, monitor screens can be easily switched on a GOT by specifying station numbers.
- *2 : Available monitoring functions varv according to the servo amplifier type.

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Save space and cost when no dedicated display device is required GOT1000

CNC monitor function

 When a MELDAS C6/64 is connected. the position display monitor, alarm diagnosis monitor, and tool offset parameters can be set on the GOT as well as on a display device dedicated to MELDAS.

• Up to 64 CNC units can be monitored over an Ethernet connection. Only a control station can be monitored over a MELSECNET/10 connection.



* : Supported by GT15 series XGA and SVGA models

Portable and wearable Handy terminal can also be mounted on a wall or a machine

Handy GOT

GT1155HS-QSBD/GT1150HS-QLBD



Display area equivalent to GT11

The GT1155HS-QSBD has a 256-color display: the GT1150HS-QLBD has a 16 degree gray scale display.

Key type selector switch

Restricts access of certain operations (manual/auto switching, mode selection, setup change, etc.) to authorized operators.

Emergency stop switch using two break contacts

Improved safety by using two break contacts connected in series, either of which can execute a stop command when being switched off.

Grip switch

The three position (OFF-ON-OFF) switch can be connected to external devices as a dead-man switch. The grip switch can be used for immediate execution of a command to stop a machine.

6 operation switches

- When wired directly to external devices, these switches can be used as pushbutton switches to operate and stop various machines. The operation switch name labels can be changed freely.
- The control panel is equipped with 6 LED lamps (green) for the operation confirmation of each of these switches.

CF card interface

The CF card interface enables quick GOT data transfer.

USB interface

The USB interface permits fast data transfer between GT Designer2 and the GOT.

RS-232 interface

An RS-232 interface is provided for the GOT data transfer when the USB interface is not used.

RS-232/RS-422 communication

Either RS-232 or RS-422 can be selected for communication with connected devices.

Optional devices





- CF card Optional function board (GT11-50FNB) Replacement battery (GT11-50BAT)
- External connection cable
- Personal computer connection cable (RS-232 cable/USB cable) Protective sheet

Experience the colors of the compact GOT lineup GT10

The 3-color LED backlight offers users a variety of display backgrounds • Two selectable wide screen sizes: 4.5" model with 288 × 96 pixel resolution, and 3.7" model with 160×64 pixel resolution. The high-brightness LCD offers clear imaging even under external lighting conditions. Thin in depth, and conforming to the protective structure IP67f standard. **GT1030** Wide and creative visual solutions ● 4.5" type: 3-color LED (green/orange/red) type (NEW) • GT1030-LBD (RS-422 connection) • GT1030-LBD2 (RS-232 connection) 3-color LED (white/pink/red) type NEW • GT1030-LBDW (RS-422 connection) • GT1030-LBDW2 (RS-232 connection) MITSUBISHI GOTIOOO Ready Production Target : 211 Product Errors Product Count Wide **288**-dot 145mm **GT1020 Super-small display** • 3.7" type: 3-color LED (green/orange/red) type • GT1020-LBD (RS-422 connection) • GT1020-LBD2 (RS-232 connection) • GT1020-LBL (RS-422 connection, 5VDC power supply) 3-color LED (white/pink/red) type NEW • GT1020-LBDW(RS-422 connection) • GT1020-LBDW2(RS-232 connection) • GT1020-LBLW (RS-422 connection, 5VDC power supply) MITSUBISHI GOTIOOO SET ING 74mm Wide 160-dot 113mm

42





The usability of a GOT1000 condensed into a compact body

GT1030 **Flexible screen layout** GT1020 GT1030

- The use of the matrix type touch panel enables simultaneous two-point press.
- Matrix type touch panel Minimum unit of touch key size: 16 × 16 dots • Maximum number of touch keys: 50/screen

Wide, high-resolution LCD screen GT1030

The resolution has been improved while keeping the same panel cut size as our F930GOT. (1.2 times higher resolution than the F930)



GT1020



Due to the high resolution of the analog touch panel, touch switches can be placed with up to 1 pixel accuracy. • Analog touch panel • Min. unit of touch key size: 2 × 2 dots Maximum number of touch keys: 50/screen

Versatile mounting

Both horizontal and vertical mounting available to meet the needs of different application.

GT1030

GT1020









- *1 : When two GT10 series units are connected, this connector is available to communicate with the second GT10 unit
- *2 : GT1020-LBL and GT1020-LBLW can only be connected to the FX PLC.

Alternative start-up screen

Users can set-up alternative images to be displayed when the GOT starts up. * : Bitmap images only

GT1030

GT1020

GT1020

Unicode 2.1

Character from all over the world GT1030 for people all over the world

 GT10 series can display a number of languages for a variety of countries and areas.

Functionality of the GOT1000 GT1030 series in a compact design GT1020

Recipe function included

The GOT has a built-in memory for up to 4000 points (corresponding to 16-bit word devices) of recipe data. Using this memory the GOT can transfer a range of values to/from the PLC.

- Communication drivers
- Pre-installed OS: The OS of the GOT is installed before shipment from the factory. · Communication driver: The communication driver installed before shipment is provided for the FX Series PLC. To connect Q/QnA/A Series PLC or a microcomputer board or third party PLC, you have to install the required communication driver available using GT Designer2.
- Screen saver and alarm function

Multi-unit connection for high cost performance GT1030 Up to two units of GT10 can be connected in serial. 2nd unit Direct connection to FX/Q/QnA/ACPU 1st unit RS-422 or RS-232 RS-232 connection





[GT10-C30R2-6P(3m)]

[RS-422 or RS-232 connection] [RS-232 connection] : When two GT10 units are connected, transparent functionality is disabled.

Trouble free

The GT10 series uses an LED backlight for high reliability that does not require replacement. GT1030 GT1020

• The GT10 series is equipped with a flash ROM, therefore it does not require a battery. GT1020

Major functionality (For more information, see the corresponding manual.)

| Features | Screen data: up to 1024 base screens + 3 types of key windows Font: Gothic (size: 6 × 8 dots, 16 dots [12 dots available only on GT1030], high quality, TrueType, Windows fonts) Screen switching function, screen call, language switching function, password protection, system information, connected equipment setting and startup logo |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Figure drawing | © Straight line, continuous straight line, rectangle, polygon, chamfered rectangle, circle, ellipse, arc, elliptical arc, circular sector, elliptical sector ©Scale display ©Painting ©Image type (BMP/DXF) |
| Object | © Comment registration (basic comment/comment group) © Object registration © Data calculation function © Offset function © Security function © Lamp display © Touch key © Numerical display/input © ASCII display/input (NEW) © Clock display (GT1030: built-in clock, GT1020: linked to PLC clock) © Comment display © Alarm list/alarm history © Parts display © Panel meter © Trend graph/ling graph/bar graph/statistical bard graph (NEW) © State monitoring function © Recipe function (4000 points) © Time action function |

Use your personal computer as a GOT

For GOT 1000 Version2

Multiple instances of GT SoftGOT1000 can run

Reduce cost by minimizing the system recovery time Upon occurrence of problems, the status of on-site equipment can be quickly monitored from your office. This reduces the time for an initial diagnosis.

on a single personal computer.

Monitoring Line 1 Monitoring Line 2

Monitoring Line 3 Monitoring Line

Screen data created by GT Designer2 Version2 can be used without conversion. GT SoftGOT1000 is an HMI software which offers the GOT1000 functions on personal computers and panel computers.



Conditions at the production sites can be monitored from a remote location.



Connection with MELSEC instrumentation

GT SoftGOT1000 and PX Developer monitoring tools can be connected to easily establish an instrumentation monitoring system.



Improved usability

Internal device interface functions: By using internal device interface functions, user-created applications can read/write data from/to the GOT internal devices. Furthermore, it is possible to link data to user applications such as a data logger in order to develop advanced systems that can run in cooperation with applications.

<Development environment of user applications> Microsoft®Visual C++(Version.6.0), Microsoft®Visual Basic(Version.6.0)

GT SoftGOT1000 (English version) operating anvironment

GT SoftGOT1000 base screen Make your desktop into a graphic monitoring window by displaying the GT SoftGOT1000 base screen in full-screen mode and sending the window to the back of the screen.



GT SoftGOT1000 touch switch/object Clicking on touch switches and objects displays various

screens of PX Developer monitoring tools. (The display position can be specified.)

- Startup of other applications: In full-screen mode, other applications can be started with touch switches on the monitor screen of the GT SoftGOT1000.
- Full-screen display: The whole monitoring screen can be displayed in full-screen by hiding the title bar and the menu bar.

Creations

| r Sondo r 1000 (English version) operating environment | | | Specifications | | |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Itom | Descr | iption | Item | | |
| item | With DOS/V personal computer | With PC CPU module | Resolution | 640 × 480, 800 × 600, | |
| Personal computer | PC/AT compatible PC on which Windows [®] 2000 or Windows [®] XP operates. | CONTEC PC CPU Unit (PPC-852-212, PPC-852-217)*6 | Display colors | 65536 colors | |
|)S*1*2 | Microsoft [®] Windows [®] 2000 Professional Operating System (English version) Microsoft [®] Windows [®] XP Professional Operating System (English version) | | Memory capacity Connection configuration*7 | 57MB Bus connection ^{*8} , CPU direct connection, computer link connection, MELSECNET connection, Ethernet connection | |
| CPU | Pentium II [®] 300MHz or higher | | *1: To install GT SoftGOT1000, administrator authority is required. Administrator authority is also required to use GT SoftGOT1000 on the following operating system • Windows[®]XP Professional • Windows[®]XP Home Edition *2: "Compatibility mode, "user account," 'desktop appearance (font)" and "remote desktop" are not supported. *3: To use GT Designer2, and PX Developer, separate available space is required. For the 1 space required to use GT Designer2, see the GT Designer2 Version2 Basic OperationD | | |
| Free hard disk space*3 | For installation (product only): 250MB | or more | | | |
| Display colors | 65536 colors or more | | | | |
| Display Software | When creating or editing project data : When using with PX Developer : | a resolution of VGA (640 × 480 dots) or higher GT Designer2*4 PX Developer Version 1.14Q or later GT Designer2 Version 2.47Z or later | PX Developer Version 1 PX Developer Version 1 the users, separate availe *4 : GT Designer2 and GT Soft *5 : To use GT15-SGTKEY- | The space required to use PA Developer monitoring tool, see the Operating Manual (Monitor Tool). To use applications created by able space is required. GOT1000 must be installed from the same GT Works2/GT Designer2. U, use the personal computer which has an USB port. To use | |
| hardware ^{*5} | GT15-SGTKEY-U (License key (for USB port)) GT15-SGTKEY-P (License key (for parallel port)) | GT15-SGTKEY-U (License key (for USB port)) | connector). When using *6 : When using a personal | the personal computer which has a parallel port (Centro/printer g a personal computer CPU, use GT15-SGTKEY-U. computer CPU, bus connection (Q Series on the same base) | |
| Other | Internet Explorer Ver. 5.0 or higher mu Mouse, keyboard, printer and CD-ROM | st be installed. I drive usable with the above OS | is available. Use the lic personal computer CPL *7 : The required device | ense key GT15-SGTKEY-U (for USB port). For usable ls, see the GT Designer2 Version2 Screen Design Manual. s vary depending on the connection configuration. | |
| | | *8 : For CONTEC PC CI | PU unit, refer to the manual of the PC CPU module. | | |

List of connectable models

[PLCs/motion controllers] highi DI Og and maties

| e | orios | Model name | | | Con | nection configu | ration | |
|-----------------------------|-----------------------|------------------------|---------|----------------|---------------|-----------------|----------------|----------|
| - 3 | enes | | CPU dir | ect connection | Computer link | MELSECNET/H*1 | MELSECNET/10*2 | Ethernet |
| | | Q000CP0 | 1 | | | | | |
| | | Q01CPU*3 | USP | | | | | |
| | | Q02CPU*3 | conr | , nection | | | | |
| | | Q02HCPU*3 | | | 0 | 0*5 | 0*5 | |
| MELSE | C-Q series | Q06HCPU*3 | 1 | | 0 | 0 | 0 | |
| (Q mode | e) | Q12HCPU*3 | | | | | | |
| | | Q25HCPU*3 | | | | | | |
| | | Q12PHCPU | 0 | | | | | |
| | | Q25PHCPU | | | | | | |
| | | Q12PRHCPU Q25PRHCPU | 1 | | × | O*5*6 | *5*6 | 0 |
| | EQUET # 1 | QJ72LP25-25 | | | | | | |
| MELS | SECNET/H | QJ72LP25G | 1 | 0 | X | × | × | X |
| Terrior | le I/O Station | QJ72BR15 | 1 | - | | | | |
| MELSE | | Q02CPU-A | | ~ | | | | |
| MELSEC-Q series (A mode) | | Q02HCPU-A | | 0 | 0 | X | 0 | 0 |
| (| -, | Q06HCPU-A | | | | | | |
| | | Q2ACPU | | | | | | |
| MELSEC | C-QnA series | Q2ACPU-S1 | | \circ | 0*4 | ~ | 0 | 0** |
| (QnACP | U type) | Q3ACPU Q4ACPU | 1 | 0 | 0 | | 0 | 0- |
| | | Q4ABCPU | 1 | | | | | |
| | | Q2ASCPU | | | | | | |
| MELSEC | C-QnA series | Q2ASCPU-S1 | 1 | \sim | 0** | | \sim | |
| (QnASCPU type) | | Q2ASHCPU | 1 | 0 | 0** | × | 0 | 0** |
| | | Q2ASHCPU-S1 | | | | | | |
| | | A2UCPU | | | | | | |
| | | A2UCPU-S1 | | | | | | |
| | | A3UCPU | | | | | | |
| | | A4UCPU | | | | | | |
| | | A2ACPU A2ACPUID21 | 1 | | | | | |
| | | A2ACPUP21 | • | | | | | |
| | | A2ACPU-S1 | | | | | | |
| | | A2ACPUP21-S1 | | | | | | |
| | | A2ACPUR21-S1 | | | | | | |
| | Anning | A3ACPU | 1 | ()\$7 | | | | 0 |
| (AnCPU | -A series type)#10 | A3ACPUP21 | | | 0 | × | 0 | |
| 0.001.0 | ()po) | A3ACPUR21 | | | | | | |
| | | A1NCPU | | | | | | |
| | | A1NCPUP21 | | | | | | |
| | | A1NCPUR21 | | | | | | |
| | | A2NCPU A2NCPUP21 | | | | | | |
| | | A2NCPUR21 | 1 | | | | | |
| | | A2NCPU-S1 | | | | | | |
| | | A2NCPUP21-S1 | 1 | | | | | |
| | | A2NCPUR21-S1 | 1 | | | | | |
| | | A3NCPU | 1 | | | | | |
| | | A3NCPUP21 | | | | | | |
| | | A3NCPUR21 | | | | | | |
| | | A2USCPU | | | | | | |
| | | A2USCPU-S1 | 1 | | | | | |
| | | A2USHUPU-ST | 1 | | | | | |
| | | A1SCPUC24-B2 | 1 | | | | | |
| | | A1SHCPU | 1 | | | | | |
| MELSE | C-A series | A2SCPU | 1 | ()*7 | 0 | x | 0 | 0 |
| (AIISCP | U type) | A2SCPU-S1 | 1 | - | - | | | ~ |
| | | A2SHCPU | l | | | | | |
| | | A2SHCPU-S1 | 1 | | | | | |
| | | A1SJCPU | | | | | | |
| | | A1SJCPU-S3 | ł | | | | | |
| | | ATSJHCPU | - | | | | | |
| | | | ł | | | | | |
| | | A0.12HCPUB21 | 1 | ()*7 | 0 | X | × | |
| | | A0J2HCPU-DC24 | 1 | | | | | |
| MELOF | ~ ^ | A2CCPU | | | | | | |
| MELSE(| 0-A | A2CCPUP21 | 1 | ()*7 | × | X | × | x |
| Jenes. | | A2CCPUR21 | | | | | | |
| | | A2CCPUC24 | | O#7 | 0 | × | × | × |
| | | A2CCPUC24-PRF | | 0 | | | | |
| | | A2CJCPU-S3 | | <u></u> | X | L X | × | ⊢ ÷ ⊢ |
| | | ATEXCEU | | 0 | X | <u> </u> | X | X |

Modules usable when connected with Mitsubishi PLCs For computer link connection

| CPU series | Serial communication module/computer link module |
|-----------------------------------|-------------------------------------------------------------------|
| LSEC-Q series (Q mode) | QJ71C24(-R2)/QJ71C24N(-R2)/QJ71CMO |
| LSEC-Q series (A mode) | A1SJ71UC24-R2/A1SJ71C24-R2 |
| ELSEC-QnA series | AJ71QC24(-R2)/AJ71QC24N(-R2)/ A1SJ71QC24(-R2)/A1SJ71QC24N(-R2) |
| ELSEC-A series | AJ71C24-S8/AJ71UC24/A1SJ71C24-R2/ A1SJ71UC24-R2 |
| Only RS-232 communication is poss | ible. |

For MELSECNET/H and MELSECNET/10 connection

Use a network unit applicable to the network board used for GT SoftGOT1000. The network boards that can be used with GT SoftGOT1000 are shown below. • Q80BD_J71BR11 (coaxial loop) • Q80BD_J71LP21-25 (optical loop) • Q80BD_J71LP21-G (optical loop)

For Ethernet connection

м М

| CPU series | Ethernet module |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MELSEC-Q series (Q mode) | QJ71E71-100/QJ71E71-B5/QJ71E71-B2/QJ71E71 |
| MELSEC-QnA series | AJ71QE71N3-T/AJ71QE71N-B5/AJ71QE71N-B2/AJ71QE71N-T/ AJ71QE71N-B5T/AJ71QE71AJ71QE71-B5/A15J71QE71N3-T/ A15J71QE71N-B5/A15J71QE71N-B2/A15J71QE71N-T/ A15J71QE71N-B5T/A15J71QE71-B5/A15J71QE71-B2 |
| MELSEC-Q series (A mode)/ MELSEC-A series/ A series motion controller CPU*1 | AJ71E71N3-T/AJ71E71N-B3/AJ71E71N-B2/AJ71E71N-T/ AJ71E71N-B5T/AJ71E71-S3A7ISJ71E71N3-T/A1SJ71E71N-B5/ A1SJ71E71N-B2/A1SJ71E71N-T/A1SJ71E71N-B5T/ A1SJ71E71-B5-S3/A1SJ71E71-B2-S3 |

*1 : Only the device ranges within AnACPU specifications are supported

Modules usable when connected with Mitsubishi CNCs For Ethernet connection

| CPU series | Ethernet module |
|---------------|-----------------|
| MELDAS C6/C64 | FCU6-EX875 |
| | |



Mitsubishi PLCs and motion controllers

| Paulaa | Madalmana | | Con | nection configu | ration | |
|-----------------------|--------------|-----------------------|---------------|-----------------|----------------|----------|
| Series | wodel name | CPU direct connection | Computer link | MELSECNET/H*1 | MELSECNET/10*2 | Ethernet |
| | Q172CPU | | | | | |
| | Q173CPU | | | | | |
| Motion | Q172CPUN | | | ~ | ~ | ~ |
| (O corice) | Q173CPUN | ^ | | ^ | · ^ | ^ |
| (Q Series) | Q172HCPU | | | | | |
| | Q173HCPU | | | | | |
| | A273UCPU | X | X | Х | X | Х |
| Motion | A273UHCPU | 0.00 | 0 | V | 0 | 0 |
| controller CPU | A273UHCPU-S3 | 0** | 0 | ^ | 0 | 0 |
| (A series/large type) | A373UCPU | ~ | ~ | ~ | V | ~ |
| | A373UCPU-S3 | ^ | ^ | ^ | ^ | ^ |
| | A171SCPU | × | × | | | |
| | A171SCPU-S3 | | | X | × | Х |
| | A171SCPU-S3N | | | | | |
| Motion | A171SHCPU | | | × | | |
| controller CPU #10 | A171SHCPUN | 0.000 | | | 0 | 0 |
| (A series/small type) | A172SHCPU | | | | | |
| | A172SHCPUN | 0 | | | | |
| | A173UHCPU | | | | | |
| | A173UHCPU-S1 | | | | | |
| | FX0S | | | | | |
| | FX0N | | | | | |
| | FX1S | | | | | |
| MELSEC-FX | FX1N | | | ~ | V V | ~ |
| series | FX1NC | | | ^ | · ^ | ^ |
| | FX2N | | | | | |
| | FX2NC | 1 | | | | |
| | FX3U | 1 | | | | |
| | FX3UC | 1 | | | | |
| | FX3UC | | | | | |

Third party PLCs

| Manufacturer | | Medel name | Connec | | | |
|------------------|-------------------|-------------|--------------------------------|------------------------|----------|--|
| Man | liacturer | wodel name | CPU direct connection (RS-232) | Computer link (RS-232) | Ethernet | |
| | Micro PLC | CPM2A | 0 | — | — | |
| | | C200HX | | | | |
| OMRON | | C200HG | | | | |
| | | CQM1 | | | | |
| | | CQM1H | | | | |
| | Small-size PLC | CS1H | 0 | | | |
| | 0111011 0120 1 20 | CS1G | | | | |
| OMRON | | CS1D | | | | |
| OMHON | | CJ1H | | | | |
| | | CJ1G | | | | |
| | | CJ1M | | | | |
| | | CV500 | | | | |
| | Larra dia Di O | CV1000 | | | | |
| | Large-size PLC | CV2000 | | | | |
| | | CVM1 | | | | |
| | | GL120 | | | | |
| | | GL130 | 0 | X | | |
| | | GL60S | | | | |
| | | GL60H | X | 0 | × | |
| | | GL70H | | <u> </u> | | |
| | | CP-9200SH | X | 0 | | |
| | | CP-9300MS | ., | × | | |
| Yaskawa Elec | tric | MP920 | | Ö | 0 | |
| Yaskawa Electric | | MP930 | | | | |
| | | MP940 | - 0 | | | |
| | | PBOGIC-8 | | X | | |
| | | CP-9200 (H) | | | | |
| | | MP2200 | | 0 | ~ | |
| | | MP2300 | × | 0 | 0 | |
| | | E3SP05 | | | | |
| | | E3SP08 | | | | |
| | | E3EP36 | | | | |
| | | F3SP21 | | | | |
| | | F3SP25 | | | | |
| | | F3SP35 | | | | |
| Vokogowo Ele | otrio | F3SP28 | | | 0 | |
| I UKUYAWA EIE | ouro | F3SP38 | 1 | | Ŭ | |
| | | F3SP53 | 1 | | | |
| | | F3SP58 | 1 | | | |
| | | E20DE0 | 1 | | | |
| | | ESCREE | | | | |
| | | E26D67 | | | | |
| | | F00F0/ | 1 | | | |

[CNCs]

| | | | A | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Series | Model name | CPU direct connection | Computer link | MELSECNET/H*1 | MELSECNET/10*2 | Ethernet |
| MELDAS C6/C64 | FCA C6 FCA C64 | 0*9 | × | × | × | 0*9 |
| **1 : Connection confit **2 : Connection corr where the mod **3 : For multi-CPU **4 : When using a comp *5 : Use the PLC C **5 : Use the PLC C **5 : Use the driver 1 **7 : Only the following ADJ2HCPU and ADNCPU(S1) **A2CCPU: Ver *** A2CCPU: Ver | guration for network ty figuration for network ty fifiguration for netwo e is switched from 1 configuration, use t puder link module for A si PU and MELSECN (SW0DNC-MNETH ing software version d A2CCPU. Earlier : Version L or later | pre MELSECNE ork type MELS MELSECNET, he CPU funct eries or an Etherr ET/H network -B) of version n or later can versions canr for a CPU with 0J2HCPU: Ve | T/H mode an SECNET/10 /H to MELS ion version wet module with module fur K or later for be used to hot be used. h link, and v ersion E or l | nd MELSECNET/H mode (PC-to-PC ECNET/10 (PC-to B or later. 0 onACPU, GT SoftG(notion version B o or the MELSECNI write data to the A resion H or later i ater • A0J2HCP | extension mode (PC r net). (Including ti b-PC net)) DT1000 cannot monitor r later. ET/H board. NNCPU(S1), A2S for a CPU without U-DC24: Version | -to-PC net ne case r the module GCPU, link B or later |
| *8 : When connected wit *9 : Use MELDAS (NO | n GI SottGUT1000, the C C6/C64 of the follow | PUs cannot be co ving NC syste | nnected simulta m software | version. | LSOF I products (GX De | veloper, etc.) |

 NC system software version D0 or later
 *10: Computer link unit software version U or later must be used for the A2SCPU, A2SHCPU, A1SHCPU, A1SJHCPU, A0J2HCPU, A171SHCPU and A172SHCPU computer link connection. A0J2-C214-S1 (computer link unit for A0J2HCPU) cannot be us

Modules usable when connected with PLCs made by Yaskawa Electric Corporation —

| For | computer | link | connection |
|-----|----------|------|------------|
| | | | |

| MEMOBUS module/communication module | JAMSC-IF60, JAMSC-IF61, CP-217IF, 217IF-01, 217IF, 218IF-01 |
|-------------------------------------|-------------------------------------------------------------|
| For Ethernet connection | |
| Communication module | 218IF, 218IF-01 |

Modules usable when connected with PLCs made by Yokogawa Electric Corporation For Ethernet connection

Ethernet interface module



List of connectable models

The GOT1000 series allows connection to Mitsubishi PLCs and a variety of other FA devices.

Mitsubishi PLCs/motion controllers

A wide selection of Mitsubishi PLCs and motion controllers are supported.

| | jurati | ng | cont | lon | mec | COL | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|-----------------------|-----------------------|-------------------|---------------|--------------------------|-------------------------|---------------|--------------------------------|---|---|---|--|---|-----------|-------|
| GT10 | | | 1 | GT1 | GT15/ | 0 | | | | | | | | | | | |
| co-currant (up) *1 % CC-Limk (via G4) *5 Ethernet *1 COPU direct connection Computer link | CC-Link (via G4) ∗ 5 | *1 * 5 | CC-Link (ID) #1 #5 | MELSECNET/10 *1 *4 | MELSECNET/H *1 | Computer link | CPU direct connection | Bus connection *2 *3 | Model name | Series | | | | | | | |
| | | | | | | | | *8 | Q00JCPU | | | | | | | | |
| | | | | | | | | | Q00CPU *7 | | | | | | | | |
| | | | | | | | | | Q01CPU *7 | | | | | | | | |
| | | | | | | | | | Q02CPU *7 | | | | | | | | |
| | 0 | | 0 | 0 | 0 | 0 | 0 | | Q02HCPU \$7 | MELSEC-Q series (Q mode) | | | | | | | |
| Seri | | | | *9 | | | | | Q12HCPU *7 | | | | | | | | |
| (An | | | | | | | | | Q25HCPU *7 | Q mode) | | | | | | | |
| *11 | | | | | | | | | Q12PHCPU | | | | | | | | |
| | | | | | | | | | Q25PHCPU | | | | | | | | |
| | | | | 0 | 0 | х | 0 | × | Q12PRHCPU | | | | | | | | |
| | | | | *9 | | | Ŭ | | Q25PRHCPU | | | | | | | | |
| | | | | ~ | ~ | ~ | | | QJ72LP25-25 | MELSECNET/H | | | | | | | |
| × × × | × | | | × | × | 0 | | × | QJ/2LP25G | remote I/O station | | | | | | | |
| | | + | | | | | | | | | | | | | | | |
| | × | | 0 | 0 | × | \bigcirc | 0 | × | Q02HCPU-A | /IELSEC-Q | | | | | | | |
| | | | Ĭ | <u> </u> | | Ŭ | Ŭ | | Q06HCPU-A | A mode) | | | | | | | |
| ser | | | | | | | | | Q2ACPU | | | | | | | | |
| *11 | | | | | | | | | Q2ACPU-S1 | IELSEC-QnA | | | | | | | |
| *6 *6 | | | | | ○ × *6 | | | | Q3ACPU | eries | | | | | | | |
| | | | | | | | | | Q4ACPU | QnACPU type) | | | | | | | |
| | × | | | 0 | | 0 | 0 | ⊖*10 | Q4ARCPU | | | | | | | | |
| | | | | | | | | | Q2ASCPU | MELSEC-QnA series | | | | | | | |
| | | | | | | | | 0 | Q2ASCPU-S1 | | | | | | | | |
| *6 *6 Mo | | | | | | | | | Q2ASHCPU | QnASCPU type) | | | | | | | |
| | | + | | | | | | | A2UCPU | | | | | | | | |
| (Q | | | | | | | | | A2UCPU-S1 | | | | | | | | |
| | | | | 0 | | | | 1 | A3UCPU | | | | | | | | |
| Mo | | | | | | | | 1 | A4UCPU | | | | | | | | |
| cor | | | | | | | | | A2ACPU | | | | | | | | |
| CP (A | | | | | | | | | A2ACPUP21 | | | | | | | | |
| | | | | | | | | | A2ACPUR21 | | | | | | | | |
| | | | | | | | | | | A2ACPU-S1 | | | | | | | |
| | | | | | | | | | A2ACPUP21-S1 | | | | | | | | |
| | | | | | | | | | AZACPUH21-S1 | | | | | | | | |
| Mo | | | | | | | | | A3ACPUP21 | | | | | | | | |
| | × | | 0 | | × | 0 | 0 | 0 | \bigcirc | 0 | 0 | 0 | 0 | | 0 | A3ACPUR21 | eries |
| (A | | | Ĩ | | - | - | | 1 | A1NCPU | AnCPU type) | | | | | | | |
| (sn | | | | × | | | | | A1NCPUP21 | | | | | | | | |
| | | | | | | | | | A1NCPUR21 | | | | | | | | |
| | | | | | | | | | A2NCPU | | | | | | | | |
| | | | | | | | | | A2NCPUP21 | | | | | | | | |
| | | | | | | | 0 | | A2NCPUR21 | | | | | | | | |
| *12 | | | | | | | *12 | | A2NCPU-S1 | | | | | | | | |
| ME | | | | | | | | | A2NCPUP21-S1 | | | | | | | | |
| | | | | | | | | | A3NCPU | | | | | | | | |
| ser | | | | | | | | | A3NCPUP21 | | | | | | | | |
| Ser | | - I | | | | | | | | | | | | | | | |

| | CC-Link (via G4): Connected to a CC-Link system via AJ65BT-G4-S3 |
|----|-----------------------------------------------------------------------------------------------------------|
| *6 | When using A series computer link (C24 modules) or an Ethernet module with QnACPU, only the device ranges |
| | within AnACPU specifications are supported. |
| | The following devices cannot be monitored: |

- · Devices that have been newly added to the QnACPU
- Latch relay (L) and step relay (S) (In the QnACPU, the latch relay (L) and step relay (S) (In the internal relay is nonetheless accessed when either the latch relay or step relay is specified.)

- File register (R)
 *7: Use CPU function version B or later in a multi-CPU system.
 *8: When using a bus extension connector box, it must be installed on an extension base. (It cannot be installed on the main base.)
 *9: Use function version B or later for the CPU and MELSECNET/H network unit.
 *10: In Q4ARCPU redundant system, GOT must be connected via bus connection to the last stage's redundant system extension base A66RB version B or later.
 *11: Computer link unit software version U or later must be used for the A2SCPU, A2SHCPU, A1SHCPU, A1SHCPU,

| J2-C214-S1 (dedicated computer link unit for A0J2HCPU) cannot be used. | |
|------------------------------------------------------------------------|--|
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| Series Model name upper upper all upper upper upper all upper upper upper upper all upper upper upper all upper upper upper all upper | X 0 CC-LInk (D) *1*5 | × × cc-Link (via G4) | O Ethernet | CPU direct | X Computer link |
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| A1SCPUC24-R2 A1SHCPU (AnSCPU type) A1SCPUC24-R2 A2SCPU Image: Constraint of the sector of the secto | 0 0 × | × | 0 | ○ *12 ○ | × |
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| MILLSEC-A (AnSCPU type) A2SCPU A2SCPU-S1 A2SHCPU-S1 A2SHCPU-S1 A1SJCPU-S1 A1SJCPU-S3 A1SJHCPU *12 ×12 ×13 ×13 ×14 ×12 ×12< | 0 0 × | × | 0 | ○ *12 ○ | × |
| (AnSCPU type) A2SCPU-S1 | • • | × | 0 |) <u>*12</u>) | |
| *11 A2SHCPU X A2SHCPU-S1 A1SJCPU A1SJCPU-S1 A1SJCPU-S1 A1SJCPU-S1 A1SJCPU-S1 A1SJCPU-S1 A1SJCPU-S1 A1SJCPU-S2 A1SJHCPU A1SJCPU-S2 *13 A0J2HCPU A0J2HCPU-S1 A0J2HCPU-C24 *12 A12JCPU-C24 *12 A2CCPUC24 X A2CCPUS3 X | 0 × | × | 0 | 0 | |
| A2SHCPU-S1 A1SJCPU A1SJCPU-S3 A1SJCPU A1SJCPU A1SJCPU A1SJCPU A1SJCPU A1SJCPU A022HCPUP21 A022HCPUP21 A022HCPUP21 A022HCPUP21 A022HCPUP21 A022HCPUP21 A022HCPUP21 A2CCPUP21 A2CCPUP21 A2CCPUC24 A2CCPUC24 A2CCPUC24 A2CCPUC24 A2CCPUC24 A2CCPUC24 A2CCPUC3 A2CCPUC3 | 0 × | × | 0 | 0 | |
| A1SJCPU A1SJCPU-S3 A1SJCPU-S3 A1SJHCPU A0J2HCPU A0J2HCPUP21 A0J2HCPUD24 A0J2HCPUD21 A0J2HCPUD21 A0J2HCPUD224 A0J2HCPUD224 A0J2HCPUD224 A02HCPUP21 A2CCPUC24 A2CCPUC24 A2CCPUC24 A2CCPUC24 A2CCPUC24 A2CCPUC24 A2CCPUC3 A2CCPUC3 | 。 × | × | 0 | 0 | |
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| Motion Q173CPU *14 *16 *16 *17 *17 *17 | ∪ *1 7 | ₩ *1 7 | *17 | | |
| controller Q172CPUN *14 | | | | | ., |
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| (A series) A373UCPU | | | | | |
| (large type) A373UCPU-S3 | | | | | |
| A171SCPU | | | | | |
| A171SCPU-S3 | | | | | |
| A171SCPU-S3N | | | | | |
| controller A171SHCPU X | | | | | |
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| (A series) A172SHCPU *18 | ľ | | | | ~ |
| (small type) A172SHCPUN | | | | | |
| A173UHCPU | | | | | |
| A173UHCPU-S1 | | | | | |
| FX0S | | | | | |
| FX0N | | | | | |
| FX1S | | | | | |
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| Series FX2N | | | | | |
| FX2NC | | | | | |
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 *14: Use of SV13, SV22 or SV33 requires a motion controller with the following OS version installed.

 SW6RN-SV13Q[]: 00H or later (00E or later in the case of bus connection or CPU direct connection with Q172CPU or Q173CPU)

 SW6RN-SV43Q[]: 00H or later (00E or later in the case of bus connection or CPU direct connection with Q172CPU or Q173CPU)

 SW6RN-SV43Q[]: 00H or later (00E or later in the case of bus connection or CPU direct connection with Q172CPU or Q173CPU)

 SW6RN-SV43Q[]: 00B or later

 *15: Only a USB interface is available on the Q172HCPU and Q173HCPU.

 The Q172HCPU and Q173HCPU can be accessed using a multi-CPU system QCPU RS-232.

 *16: Use a unit with the following Serial No.

 Q172CPU Serial No. K#s+##*#* or later

 0173CPU Serial No. IM*#######* or later

 *17: Use a unit with the following Serial No.

 Q172CPU Serial No. M*######* or later

 *17: Use a unit with the following Serial No.

 Q172CPU Serial No. M*######* or later

 *17: Use a unit with the following Serial No.

 Q172CPU Serial No. M#######* or later

 *18: When an expansion hoase is used, use A168B.

- *18 : When an expansion base is used, use A168B

| link unit for A0J2HCPO) cannot be used. | |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Applicable GOT varies depending on the con | nection destination. |
| GT15 ··· When connected via RS-232 | : All models (Use the built-in interface of the GOT main unit.) |
| When other than RS-232 | : All models (Bus connection and network connection are enabled by mounting a communication unit on the GOT main unit.) |
| GT11 ··· When connected via RS-232 or RS-4 | 422 : GT115 _ Q _ BD |
| When using bus connection | : GT115 Q BDQ, GT115 Q BDA |
| GT10 ··· When connected via RS-232 | : GT1030-LBD2/LBDW2, GT1020-LBD2/LBDW2 |
| When connected via RS-422 | : GT1030-LBD/LBDW, GT1020-LBD/LBDW, GT1020-LBL/LBLW (The GT1020-LBL/LBLW can be used only with the MELSEC-FXCPU.) |

| CPU series | Serial communication mo | dule/c |
|------------------------------------------|----------------------------------------------|------------|
| | Model | |
| | QJ71C24 *2 | RS-23 |
| | QJ71C24-R2 *2 | RS-23 |
| Metian controller OPU (O control) | QJ71C24N | RS-23 |
| Motion controller CPU (Q series) | QJ71C24N-R2 | RS-23 |
| MELSECINE I/H remote I/O station | QJ71C24N-R4 | RS-42 |
| | QJ71CMO *3 *7 | Modul |
| | A1SJ71UC24-R2 | RS-23 |
| MELSEC-Q series (A mode) | A1SJ71UC24-R4 | RS-42 |
| | AJ71QC24 *4 | RS-23 |
| | AJ71QC24-R2 *4 | RS-23 |
| | AJ71QC24-R4 *4 | RS-42 |
| | AJ71QC24N *4 | RS-23 |
| | AJ71QC24N-R2 *4 | RS-23 |
| | AJ71QC24N-R4 *4 | RS-42 |
| MELSEC-QnA series | A1SJ71QC24 *4 | RS-23 |
| | A1SJ71QC24-R2 *4 | RS-23 |
| | A1SJ71QC24N *4 | RS-23 |
| | A1SJ71QC24N-R2 *4 | RS-23 |
| | A1SJ71QC24N1 *4 | RS-23 |
| | A1SJ71QC24N1-R2 *4 | RS-23 |
| | AJ71UC24 *4 *6 *7 | RS-23 |
| | AJ71UC24 *4 *5 | RS-23 |
| | A1SJ71UC24-R2 *5 | RS-23 |
| | A1SJ71UC24-R4 *5 | RS-42 |
| Metice controller ODU (A control) | A1SJ71C24-R2 *5 *6 | RS-23 |
| Motion controller CPU (A series) | A1SJ71C24-R4 *5 *6 | RS-42 |
| | A1SCPUC24-R2 *5 | RS-23 |
| | A2CCPUC24 *4 | RS-23 |
| *1 : RS-485 communication is not possibl | e; therefore, A0J2-C214-S1 is unusable. | : With fu |
| When using A series computer link (C | C24 modules) with QnACPU, only the device | B or lat |
| ranges within AnACPU specifications | are supported. *3 | : Only C |
| The following devices cannot be mon | itored: *4 | : Either (|
| Devices that have been newly adde | d to the QnACPU *5 | : When a |
| Latch relay (L) and step relay (S) | | A0J2H |
| (In the QnACPU, the latch relay (L) a | and step relay (S) are separate devices from | version |

Modules usable when connected with Mitsubishi PLCs

For computer link connection

the internal relay (M), but the internal relay is nonetheless accessed when either the latch relay or step relay is specified.)

●For MELSECNET/H connection

• File register (R)

| CPIL corios | MELSECNET/H module | | | | |
|----------------------------|--------------------|--------------|--|--|--|
| CFU Series | Optical loop | Coaxial loop | | | |
| | QJ71LP21 | QJ71BR11 | | | |
| MELSEC-Q series (Q mode)*1 | QJ71LP21-25 | | | | |
| | QJ71LP21S-25 | | | | |

*1 : Use CPU and MELSECNET/H network unit function version B or later.

●For MELSECNET/10 connection

| CPII sorios | MELSECNET/H (NET/10 mo | de), MELSECNET/10 module |
|----------------------------------|------------------------|--------------------------|
| GFU Series | Optical loop | Coaxial loop |
| | QJ71LP21 | QJ71BR11 |
| MELSEC-Q series (Q mode)*1 | QJ71LP21-25 | |
| | QJ71LP21S-25 | |
| | AJ71QLP21 | AJ71QBR11 |
| | AJ71QLP21S | A1SJ71QBR11 |
| MELSEC-QNA series | A1SJ71QLP21 | |
| | A1SJ71QLP21S | |
| MELSEC-Q series (A mode) | AJ71LP21 | AJ71BR11 |
| MELSEC-A series | A1SJ71LP21 | A1SJ71BR11 |
| Motion controller CPU (A series) | | |
| | | |

*1 : Use CPU and MELSECNET/H network unit function version B or later.

CC-Link (ID) connection

| CPU series | CC-Link unit | | |
|----------------------------------|---------------|--|--|
| MELSEC O parias (O mada) | QJ61BT11 | | |
| MELSEC-Q series (Q mode) | QJ61BT11N | | |
| MELSEC On A pariag | AJ61QBT11*1 | | |
| MELSEC-QIA series | A1SJ61QBT11*1 | | |
| MELSEC-Q series (A mode) | AJ61BT11*1 | | |
| MELSEC-A series | A1SJ61BT11*1 | | |
| Motion controller CPU (A series) | | | |

*1 : GOT can communicate only with CC-Link units function version B or later and software version J or later

CC-Link (via G4) connection*

| CPU series | CC-Link unit | Peripheral device unit | | | | | |
|------------------------------------------------------|--------------|------------------------|--|--|--|--|--|
| MELSEC O series (O mode) | QJ61BT11 | AJ65BT-G4-S3 | | | | | |
| MELSEC-Q series (Q mode) | QJ61BT11N | | | | | | |
| *1 · GT115 -0 BD can monitor only the master station | | | | | | | |

| nputer link m | odule ^{*1} | | | | |
|---------------|---------------------|--|--|--|--|
| CH1 | CH2 | | | | |
| | RS-422/485 | | | | |
| | RS-232 | | | | |
| | RS-422/485 | | | | |
| | RS-232 | | | | |
| 485 | RS-422/485 | | | | |
| connector | RS-232 | | | | |
| | - | | | | |
| 485 | - | | | | |
| | RS-422/485 | | | | |
| | RS-232 | | | | |
| | RS-422/485 | | | | |
| | RS-422/485 | | | | |
| | RS-232 | | | | |
| | RS-422/485 | | | | |
| | RS-422/485 | | | | |
| | RS-232 | | | | |
| | RS-422/485 | | | | |
| | RS-232 | | | | |
| | RS-422/485 | | | | |
| | RS-232 | | | | |
| | RS-422/485 | | | | |
| | RS-422/485 | | | | |
| | - | | | | |
| 485 | - | | | | |
| | - | | | | |
| 485 | - | | | | |
| | - | | | | |
| | | | | | |

RS-422/485

unction version A, either CH1 or CH2 can be connected. With function version ater, both CH1 and CH2 can be connected.

CH2 can be connected.

CH1 or CH2 can be connected.

connecting to A1SHCPU, A2SCPU(S1), A2SHCPU(S1), A1SJHCPU,

HCPU, A171SHCPU(N) or A172SHCPU(N), use computer link module software n U or later.

Computer link module/serial communication module operate within the range of devices available on AnACPU. (R devices cannot be used.) *7 : GT10 cannot be used.

For Ethernet connection

| CPU series | Ethernet m | odule*1 |
|----------------------------------|---------------|-----------------|
| | QJ71E71-100 | |
| MELSEC-O series (O mode) | QJ71E71-B5 | |
| MELOLO-Q Series (Q mode) | QJ71E71-B2 | |
| | QJ71E71 | |
| | AJ71QE71N3-T | A1SJ71QE71N3-T |
| | AJ71QE71N-B5 | A1SJ71QE71N-B5 |
| | AJ71QE71N-B2 | A1SJ71QE71N-B2 |
| MELSEC-QnA series | AJ71QE71N-T | A1SJ71QE71N-T |
| | AJ71QE71N-B5T | A1SJ71QE71N-B5T |
| | AJ71QE71 | A1SJ71QE71-B5 |
| | AJ71QE71-B5 | A1SJ71QE71-B2 |
| | AJ71E71N3-T | A1SJ71E71N3-T |
| | AJ71E71N-B5 | A1SJ71E71N-B5 |
| MELSEC-Q series (A mode) | AJ71E71N-B2 | A1SJ71E71N-B2 |
| MELSEC-A series | AJ71E71N-T | A1SJ71E71N-T |
| Motion controller CPU (A series) | AJ71E71N-B5T | A1SJ71E71N-B5T |
| | AJ71E71-S3 | A1SJ71E71-B5-S3 |
| | | A1SJ71E71-B2-S3 |

*1 : When using an A series Ethernet (E71 modules) with QnACPU, only the device ranges within AnACPU specifications are supported except for the following devices.

Devices that have been newly added to the QnACPU

• Latch relay (L) and step relay (S)

(In the QnACPU, the latch relay (L) and step relay (S) are separate devices from the internal relay (M), but the internal relay is nonetheless accessed when either the latch relay or step relay is specified.)

• File register (R)



List of connectable models

LBL/LBLW (The GT1020-LBL/LBLW can be used only

with the MELSEC-EXCPU.)

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⊖<u>*8</u> X

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0 × ×

The GOT1000 series allows connection to Mitsubishi PLCs and a variety of other FA devices.

Modules usable when connected with third party computer link and Ethernet modules

| Manufacturer | RS-422 | RS-232 | Ethernet | Ma | nufacturer | RS-422 | RS-232 | Ethernet |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------|-------------------------------------|
| | C200H-LK202-V1 C500H-LK201-V1 CQM1-SCB41 | C200H-LK201-V1 C500H-LK201-V1 CS1W-SCU21 | | Hitachi Communicatio | ion module | LQE565 LQE165 | LQE560 LQE060 LQE160 | |
| OMRON Host link unit/ communication unit/ communication board | CJ1W-SCU41 CJ1W-SCU21-V1+CPIW-EXT01 CS1W-SCB41 C200HW-COM03 C200HW-COM06 CP1W-CIF11 | CS1W-SCB21 CS1W-SCB41 CJ1W-SCU21-V1 CJ1W-SCU21-V1-CPIW-EXT01 CJ1W-SCU41 C200HW-COM02 C200HW-COM05 C200HW-COM05 | | Fuji Electric FA Components & Systems | RS-232C interface card RS-232C/485 interface capsule General interface module | FFK120A-C10 NC1L-RS4 FFU120B | NV1L-RS2 FFK120A-C10 NC1L-RS2 FFU120B | |
| | | CQM1-CIF01 CQM1-CIF02 CQM1-CIF02 CQM1-CIF02 CPM1-CIF01 CPM2C-CN111 CPM2C-CIF01-V1 CP1W-CIF01 | | Matsushita El Computer cor | lectric Works mmunication unit | AFPX-COM3 | AFP2462 AFP3462 AFP5462 AFPX-COM1 AFPX-COM2 AFPX-COM4 | |
| KEYENCE Multi-communication unit | KV-L20R KV-L20 | KV-L20R KV-L20 | | Yaskawa Eleo | ctric | JAMSC-120NOM27100 JAMSC-IF612 217IF | JAMSC-IF60 JAMSC-IF61 CP-217IF | 218IF 218IF-01 |
| SHARP Link unit | JW-21CM JW-10CM ZW-10CM | | _ | communicatio | on module | 217IF-01 | 217IF 217IF-01 218IF-01 | |
| JTEKT Link unit | THU-2755 THU-2927 THU-5139 | | | Yokogawa Ele Personal com | lectric nputer link module/ | LC02-0N F3LC11-2N | LC01-0N LC02-0N F3LC01-1N F3LC11-1N | F3LE01-5T F3LE11-0T F3LE12-0T |
| Hitachi Industrial Equipment Systems | COMM-H COMM-2H | COMM-H COMM-2H | | Ethernet inter | rface module | | F3LC11-1F F3LC12-1F | |
| Intelligent serial port module | | | | Allen-Bradley EtherNet/IP c | (Rockwell) | — | | 1756-ENBT |

Temperature controllers/indicating controllers The GOT can be used to log data, set parameters and display alarms.

| Monufacturar | Mod | lel nome | | GT15/GT11 | | Manufacturor | Mada | Inomo | | GT15/GT11 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-------------------|---------------------------|---------------------------|---------------------|--------------------|-------------------|
| Manulacturer | Widu | | RS-485 | RS-422 | RS-232 | Manufacturer | Model hame | | RS-485 | RS-422 | RS-232 |
| | | E5AN | O (2-wire type) *1 | × | ○* 2 | | | UT320 | | | |
| | - | E5EN | (2-wire type) *1 | × | ○*2 | | | UT321 | | | |
| OMRON | I nermac NEO | E5CN | (2-wire type) *1 | × | ○*2 | | | UT350 | | | |
| | | E5GN | (2-wire type) *1 | × | ○*2 | | | UT351 | | | |
| | In-Panel NEO | E5ZN | O (2-wire type) *1 | × | ○* 2 | | | UT420 | | | |
| | ACS-13A series | ACS-13A 🗌 / 🗌 , 🗌 , C5 | | | | | | UT450 | | | |
| | DCL-33A series | DCL-33A- M, , C5 | | | | | | UT520 | | | |
| | | JCS-33A/, C5 | | | ○ *2 | | | UT550 | | | |
| | JC series | JCR-33A- / | | | 0.42 | | | UT551 |] 0 | | |
| | | JCD-33A- / | | | | | GREEN series | UT750 | (2-wire type *1 | | |
| | JCM-33A series | JCM-33A-□/□, □C5 | | | | | | UP350 | /4-wire type) | | |
| Shinko | ECP 100 corios | FCR-13A- //M, C | | | | | | UP351 | | | |
| Technoo | FCR-100 series | FCR-15A- M, C | × | × | | Malua annua | | UP550 | | × | ○ *2 |
| recimos | ECD 100 corios | FCD-13A- //M, C | | | | rokogawa | | UP750 | | | |
| | FCD-100 selles | FCD-15A- //M, C | | | ○ *4 | | | UM330 | | | |
| | FCR-23A series | FCR-23A- M, C | | | 0 | | | UM331 | | | |
| | PC 000 corios | PC935/M, C | | | | | | UM350 | | | |
| | F C-900 Series | PC955/M, C | | | | | | UM351 | | | |
| | FIR series | FIR-201-M, C | | | | | | US1000 | | | |
| | JIR-301-M series | JIR-301-M_, C5 | | | ○ *2 | | | UT130 | | | |
| | LT300 series | enes JIH-301-ML_J, C5 U1330 s LT350, LT370 (2-wire type)*1 s LT450, LT470 (2-wire type)*1 es DZ1000*7 (2-wire type)*1 cs LT230 (2-wire type)*1 s LT230 (2-wire type)*1 s LT230 (2-wire type)*1 cs DZ2000*7 (2-wire type)*1 cs LT230 (2-wire type)*1 | | | | | | | | | |
| | LT400 series | LT450, LT470 | (2-wire type) *1 | 0 | ○ *2 *3 | | UT100 series | UT152 | ○ (2-wire type) *1 | | |
| | DZ1000 series | DZ1000 *7 | (2-wire type) *1 | 0 | ○ *2 *3 | | | UT155 | | | |
| CHINO | CHINO DZ2000 series DZ LT230 series LT LT830 series LT | DZ2000 *7 | (2-wire type) *1 | 0 | *2 *3 | | | UP100 | | | |
| | | LT230 | O (2-wire type) *1 | × | ○ *2 | | | UT2400 | | | |
| | LT830 series | LT830 | O (2-wire type) *1 | × | ○ *2 | | 012000 361163 | UT2800 | (4-wile type) | | |
| | GT120 series | GT120 | (2-wire type) *1 | × | ○* 2 | BKC | SR mini HG series | H-PCP-J | O (2-wire type) *1 | 0 | 0 |
| Euii Electric | Micro | PXR PXR3/4/5/9 | (2-wire type) *1 | × | ○*2 | Instrument | orrinini rid series | H-PCP-A, H-PCP-B | × | 0 | 0 |
| Systems | Controller X | PXG PXG4/5/9 | (2-wire type) *1 | × | ○*2 | motrument | SRZ series | Z-TIO, Z-DIO | (2-wire type) *1 *6 | ○*5 | ○*2 |
| | | PXH PXH9 | (2-wire type) *1 | X | <u></u> (*2 | *1 : Supported of | only by GT15. Use the | GT15-RS4-TE. The GT | 15-RS4-9S is not | applicable. | |
| | | SDC10 | (4-wire type) | X | <u></u> (*2 | #2 : If the tempe | rature controller/indica | ting controller is design | ed for RS-485, us | e the RS-232/R | S-485 |
| | | SDC20/21 | (4-wire type) | × | () *2 | converter su | upplied by the manufac | turer. | ad fax DC 400 | - | 0 400 |
| | | SDC30/31 | (4-wire type) | × | () *2 | *3: II the tempe | include controller/indica | tung controller is design | ed for R5-422, us | e ine R5-232/R | 5-422 |
| YAMATAKE | SDC | SDC40A/40B/40G | (4-wire type) | × | () *2 | *4 : Only indicat | ing controllers with RS | -232 serial communica | tion function can b | e connected. | |
| | | SDC15 | (2-wire type) *1 | X | () *2 | *5 : Use a comm | nunication extension n | nodule (Z-COM). | | | |
| | | SDC25/26 | (2-wire type) *1 | × | () *2 | *6 : Use a comm | unication extension mo | dule (Z-COM) depending | on the temperatur | e controller syste | em configuration. |
| | 5140 | SDC35/36 | (2-wire type) *1 | × | 0 *2 | *7 : Select a mo | del name that support | s the MODBUS commu | nication function. | | |
| Inverte | ers The GOT of | can be used to set par | ameters and di | isplay alarms | s. | Servo | amplifiers | The GOT can be | used to set para | meters and di | splay alarms. |
| | | | | GT15/ <u>GT</u> | 11 | | | | | GT15/0 | GT11 |
| Manufacturer | · | Model name | B | 5-422 | BS-232 | Manufactur | rer | Model name | _ | RS-422 | BS-232 |
| Jub - 33A-/// L/L AB Jub - 33A-////L AB Jub - 33A-///L AB Jub - 33A-///L AB Jub - 33A-///L AB Jub - 33A-//L AB <td>0</td> | 0 | | | | | | | | | | |
| | FREQROL-E50 | 0 | | ŏ | × | | MELSERVO | 2-Super MD 10 | S- DA | - | |
| | FREQROL-E50 | 0/E500I | | ŏ | × | MITSUPISL | Il series | | | - | |
| MITSUBISHI | FREQROL-F50 | ESAN Opene byol # X OPE NEO ESCN Opene byol # X OPE ESCN Opene byol # X OPE OPE NEO ESCN Opene byol # X OPE NEO ESCN Opene byol # X OPE NEO ESCN Opene byol # X OPE Series CCP-33A-I/I_O CS UT420 UT420 UCP-33A-I/I_O CS OPE UT550 UT550 JCP-33A-I/I_O CS OPE UP351 UP350 series FCD-13A-I/M, C X X UP350 UP350 series FCD-13A-I/M, C OPE OPE UT50 UP350 UP350 series T130, T370 Opene byol #1 OPE OPE UT100 UT130 UT150 series D2100 #7 Opene byol #1 OPE OPE OPE UT1420 UT1420 UT1420 UT1420 UT140 UT140 | | | - | | | | | | |
| MIT SODISHI | FREOROL-A50 | 0/45001 | Image RS-485 RS-422 RS-232 I Q=wie type) #I X Q=2 IAI-(I), CS Q=2 Q=2 Q=2 Q = 2 Q=2 Q=2 Q=2 Q=2 Q = 2 Q=2 Q=2 Q=2 Q=2 <t< td=""><td>2M series</td><td></td><td>-</td><td></td></t<> | 2M series | | - | | | | | |
| | FREOROL-E70 | 0,,,000 | | ŏ | × | | | IVIR-J2 | | 0 | 0 |
| | FREOROL-A70 | 0 | | ŏ | × | | | | | | |
| FRE | I REQROL-A/U | 0 | | \sim | ~ | | | | | | |

CNC The GOT can be used to monitor MELDAS C6/C64 and set the parameters.

| Series | | GT15/GT11 | | | | | | | | |
|--------|------------|-------------------|-----------------------|------------------|-----------------|---------------------------|--------------------------|---------------------|----------------|--|
| | | | | Conn | ection o | configur | ation | | | |
| | Model name | Bus connection | CPU direct connection | Computer link | MELSEC NET/H | MELSEC NET/10 *1 *2 | CC-Link (ID) *1 *3 | CC-Link (via G4) | Ethernet *1 | |
| MELDAS | FCA C6 | ~ | 0 | > | ~ | 0 | 0 | ~ | | |
| C6/C64 | FCA C64 | | *4 | ^ | ^ | *5 | *4 | ^ | *4 | |
| | | | | | | | | | | |

 \$1 : Supported only by GT15.
 \$2 : When MELSECNET/H is used in NET/10 mode, the GOT terminal cannot be connected directly to a remote I/O station.

*3: CC-Link (ID): Connected as CC-Link (intelligent device station).
*4: Use NC system software version D0 or later.
*5: Use NC system software version E0 or later.

| Мари | | | | | | and the second s | | | | | | | | | | |
|------------------------------|---------------------------------------|-----------------------------|---------------------------------------------------------------|---------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|-----------------------------|------------------------------------------------------|----------------------------------------------------|-----------------------|---------------------------|--------------------------|--------------|-----------|
| Ivianu | facturer | Mc | odel name | Computer lini | k connection | CPU direc | t connection | Ethernet | Ma | nufacturer | Model name | Computer lin | k connection | CPU direct | connection | Ē |
| | | | | RS-422 | RS-232 | RS-422 | RS-232 | connection *9 | | | | RS-422 | RS-232 | RS-422 | RS-232 | con |
| | SYSMAC CPM | CPM1A CPM1 CPM2A | | × | | | × | | | | FP0-C16CT FP0-C32CT FP1-C24C | × | × | × | 0 | |
| - | SYSMAC CQM1H | CQM1H | | - | | | | | | | FP1-C40C FP2 FP2SH | | | | | |
| | SYSMAC CJ1 | CJ1G CJ1M | | | 0 | × | 0 | | Matsushita E | Electric Works*1 | FP3 FP5 | × | 0 | × | 0 | |
| F | SYSMAC CP1 | CP1H C200HX | | 0 | | | × | | | | FP10 (S) FP10SH | 1 | | | | |
| MBON | SYSMAC α | C200HG C200HE | | | | | × | × | | | FP-M (C20TC) FP-M (C32TC) | × | × | × | 0 | |
| | SYSMAC CS1 | CS1H CS1G | | | | | | | | | FP-Σ FP-X | 0 | 0 | | | |
| | SYSMAC | CV500 CV1000 | | - | | 0 | 0 | | | | GL120 GL130 GL60S | 0 | × | × | 0 | |
| | CVM1/CV | CV2000 CVM1 COM1 | | × | × | | 0*2 | | | | GL60H GL70H CP-9200SH | | 0 | | × | |
| | | C200HS C200H | | | 0 | × | × | | Yaskawa Ele | ectric*1 | CP-9300MS MP920 | × | × | × | | F |
| | | C1000H C2000H | | | | | | | | | MP930 MP940 BROGIC 8 | × | × | 0 | 0 | |
| EYENCE* | k1 | KV-1000 JW-21Cl | J | - 0 | 0 | × | 0 | × | | | CP-9200 (H) MP2200 | | | × | ~ | - |
| | | JW-31Cl JW-50Cl | JH JH | 0 | × | × | × | | | FA500 | MP2300 FA500 | |)*3 | × | × | F |
| HARP*1 | | JW-22CU JW-32CU | J JH | | | | | × | | | F3SP05 F3SP08 F3SP10 | 0 | - | | 0 | |
| | | JW-70Cl JW-1000 | JH JH JH | | × | | ()*3 | | | | F3SP20 F3SP30 | | | | × | |
| | | JW-1000 Z-512J | SU | × | × | | ○* 3 | | | | F3FP36 F3SP21 | | | | | |
| | | PC3JG | TIC-6088 TIC-6125 | 0 | ○*4 | × | ○*4 | | Yokogawa Electric*1 | FA-M3 | F3SP25 F3SP35 | 0 | | × | | |
| | TOYOPUC | PC3J | TIC-5339 TIC-5783 THC-5070 | 0 | ()*4 | 0 | ()*4 | | 21000110 | | F3SP28 F3SP38 F3SP53 | | | | 0 | |
| TEKT*1 | series | DCAL | THC-5169 THC-5173 | | 0*4 | | ○*4 | × | | | F3SP58 F3SP59 | | | | | |
| | | PC2J | THC-2764 THC-2994 | | 044 | | × | | | | F3SP66 F3SP67 | × | × | | | |
| | | T2 (PU2) | 24) | | | 0 | × | | | STARDOM | NFCP100 NFJT100 SLC500-20 | × | × | × | 0 | L |
| OSHIBA | PROSEC T series | T2N T3 | | × | × | | ○*3 | × | | | SLC500-20 SLC500-30 SLC500-40 | | | | () *1 | |
| - | V series | T3H model 30 | 000 (S3) | | ~ | 0 | × | | | SLC500 series*5 | SLC5/01 SLC5/02 | × | × | × | | |
| | | model 20 H-302 (C | 000 (S2) PU2-03H) PU2-07H) | | ~ | | | | | | SLC5/03 SLC5/04 SLC5/05 | - | | | 0 | |
| | Large-sized H | H-1002 (H-2002 (| CPU2-10H) CPU-20H) | | 0** | | | | | | 1761-L10BWA 1761-L10BWB | | | | | |
| | series | H-4010 (H-300 (C | CPU3-40H) PU-03Ha) | | 0~0 | | | | | | 1761-L16AWA 1761-L16BWA | | | | | |
| - | | H-2000 (C H-2000 (C | PU-07Ha) CPU-20Ha) PU-02H, CPE-02H) | - | | | | | | MicroLogix 1000 series (digital CPU)*5 | 1761-L16BWB 1761-L16BBB 1761-L32AWA | | | | | |
| | H-200 to 252 | H-250 (C H-252 (C | PU21-02H) PU22-02H) | | v | v | | | | | 1761-L32BWA 1761-L32BWB | × | × | × | 0 | |
| itachi | series | H-252B (H-252C | CPU22-02HB) (CPU22-02HC) | | | | | | | | 1761-L32BBB 1761-L32AAA | - | | | | |
| quipment Systems | | H-252C H-20DR H-28DB | (CPE22-02HC) | - | | | | × | | MicroLogix 1000 series (analog CPU)*5*6*7 | 1761-L20AWA-5A 1761-L20BWA-5A 1761-L20BWB-5A | - | | | | |
| 1 | | H-40DR H-64DR | | | | | | | Allen-Bradley (Rockwell) | MicroLogix 1200 series*5 MicroLogix 1500 series*5 | 1762-L24BWA 1764-LSP | | | | | |
| | H series board type | H-20DT H-28DT | | × | × | × | 0 | | | | 1756-L 1756-L1M1 | - | | | | |
| | | H-64DT HL-40DF | 1 | - | | | | | | | 1756-L1M3 1756-L61 | - | | | | |
| - | | HL-64DF EH-CPU | 104 | | | | | | | Controll only series | 1756-L62 1756-L63 | × | × | × | 0*1 | |
| | EH-150 series | EH-CPU EH-CPU | 208 308 316 | × | × | × | 0 | | | Control 20 give control | 1756-L55M12 1756-L55M13 1756-L55M14 | | | | | |
| | S10V | LQP510 LQP520 | | - | | 0 | - | | | | 1756-L55M16 1756-L55M22 | | | | | |
| litachi | 040 | LQP800 LQP000 | | 0 | 0 | × | × | × | | | 1756-L55M23 1756-L55M24 | | | | | |
| | S10mini | LQP010 LQP011 | | - | | | | | | Compact logix series | 1769-L31 1769-L32E | × | × | × | ()*1 | F |
| uji Electric | | F55 F70 | | - | | | | | | CompactLogix series | 1769-L35E 1769-L35CR | | | | | F |
| Components Systems | MICREX-F | F120S F140S | | | 0 | × | × | × | | FlexLogix series | 1794-L33 1794-L34 | × | × | × | () *1 | |
| 1 : GT10 ca | nnot be connecte | _ F15_S ed. | | | | | | | SIEMENS | | SIMATIC S7-200 Series SIMATIC S7-300 Series | × | × | × | ()*1 | |
| 2 : The GO1 3 : RS-422 (| r cannot be conr or RS-232 is sele | ected to th ectable. | e CQM1-CPU11 be | cause it do | pes not ha | ave an R | S-232 inte | erface. | *: Applicable | GOT varies depending on th | e connection destinatio | n. | 1 | | | - |
| : RS-232/I | RS-422 converte | er (TXU-205 5 network vi | is required. a an adapter (1770- | KF3) is po | ossible. | | | | GT15 ··· W | hen connected via RS-232 hen other than RS-232 | : All models (I : All models (| Use the b Bus conn | uilt-in inte ection an | rface of th d network | e GOT n | air on |
| 6 : Connecti 6 : Connecti | ion to the DH485 | i requires a | C-Series or later C | PU. (B-Sei | ries and e | earlier mo | dels do n | ot support | | | enabled by | mounting | a commu | inication u | unit on th | с. |

Modules usable when connected with Mitsubishi CNCs ●For MELSECNET/10 connection

| ••••••••••••••••••••••••••••••••••••••• | | |
|-----------------------------------------|------------------------|--------------------------|
| Sorias | MELSECNET/H (NET/10 mo | de), MELSECNET/10 module |
| 361165 | Optical loop | Coaxial bus |
| MELDAS C6/C64 | FCU6-EX879 | FCU6-EX878 |
| For CC-Link (ID) connectio | n | |
| Series | CC-Lii | nk unit |
| MELDAS C6/C64 | FCU6-HR865 | |
| ●For Ethernet connection | | |
| Series | Etherne | t module |
| MELDAS C6/C64 | FCU6-EX875 | |



Specifications

GT15

General specifications

| Iter | | | | Specif | ication | | | | | | |
|-------------------|---------------------|------------------|--------------------|----------------|-----------------------------|-------------------|------------------|--|--|--|--|
| Operating ambient | Display | | | 0 to | 50°C | | | | | | |
| temperature*1 | Other than display | | | 0 to 55°C | | | | | | | |
| Storage ambien | t temperature | | -20°C to 60°C | | | | | | | | |
| Operating ambi | ent humidity*2 | | | 10 to 90%RH, r | no condensation | | | | | | |
| Storage ambien | nt humidity*2 | | | 10 to 90%RH, r | no condensation | l. | | | | | |
| | | | | Frequency | Acceleration | Half amplitude | Sweep count | | | | |
| | | Conforming to | Under intermittent | 5 to 9Hz | - | 3.5mm | 10 times in | | | | |
| Vibration resista | ance*3 | JIS B 3502 and | vibration | 9 to 150Hz | 9.8m/s ² | - | each of X, | | | | |
| | | IEC 61131-2 | Under continuous | 5 to 9Hz | - | 1.75mm | Y and Z | | | | |
| | | | vibration | 9 to 150Hz | 4.9m/s ² | - | directions | | | | |
| Impact resistan | се | Conforming to | o JIS B 3502 and I | EC 61131-2 (14 | 7m/s ² , 3 times | in each of X, Y a | nd Z directions) | | | | |
| Operating atmo | sphere | | | No corro | sive gas | | | | | | |
| Operating altitue | de <mark>*</mark> 4 | | | 2000m | or less | | | | | | |
| Installation loca | tion | In control panel | | | | | | | | | |
| Overvoltage cat | tegory*5 | I or lower | | | | | | | | | |
| Contamination I | level *6 | 2 or less | | | | | | | | | |
| Cooling method | 1 | | | Self-c | oolina | | | | | | |

- *1 : When an extension unit is mounted on the MELSECNET/H communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J61BT13), the operating ambient temperatures are 5°C lower than the maximum temperatures shown in the general specifications table.
 *2 : Water bulb temperature for STN display type must be 39°C or lower.
 *3 : Refer to the Communication Unit User's Manual for vibration resistance specifications when using the MELSECNET/10 communication unit (GT15-75J71LP23-2 or GT15-75J71BR13-2) or CC-Link communication unit (GT15-75J71LP23-2 or GT15-75J71BR13-2) or CC-Link communication unit (GT15-75J71LP23-2 or GT15-75J71BR13-2) or CC-Link communication unit GT15-75J711P23-2 or GT15-75J71BR13-2) or CC-Link communication unit (GT15-75J71LP23-2 or GT15-75J71BR13-2) or CC-Link communication unit (GT15-75J71LP23-2 or GT15-75J71BR13-2) or CC-Link communication unit (GT15-75J71LP23-2 or GT15-75J71BR13-2) or CC-Link communication unit (GT15-75J71LP23-2) or GT15-75J71BR13-2) or CC-Link communication unit are different from those of the GOT main unit.)
 *4 : Do not operate or store the GOT unit in pressurized environments where the pressure exceeds the Om elevation atmospheric pressure, as this could result in abnormal operation.
 *5 : Assuming that the device is connected at some point between a public power distribution network and local system equipment. Category II applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2500V for devices with ratings up to 300V.
 *6 : Index that indicates the level of foreign conductive matter in the operating environment of device. Contamination level 2 denotes contamination by non-conductive matter only, though momentary conductivity may occur due to occasional condensation.

Performance specifications

| | | | Specification | | | | | | | |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--|
| | Item | GT1595-XTBA GT1595-XTBD | GT1585V-STBA GT1585V-STBD GT1585-STBA GT1585-STBD | GT1575V-STBA GT1575V-STBD GT1575-STBA GT1575-STBD | GT1575-VTBA GT1575-VTBD | GT1575-VNBA GT1575-VNBD | GT1572-VNBA GT1572-VNBD | GT1565-VTBA GT1565-VTBD | GT1562-VNBA GT1562-VNBD | |
| | Туре | TFI | Color LCD (high-brigh | tness, wide viewing ar | ngle) | TFT co | lor LCD | TFT color LCD (high-brightness, wide viewing angle) | TFT color LCD | |
| | Screen size | 15" | 12.1" | | 10 | .4" | | 8 | 4" | |
| | Besolution | XGA:1024 × 768 [dots] | SVGA:800 | × 600 [dots] | | | VGA:640 × 480 [dots] | | · | |
| | Display size | 304.1(W) × 228.1(H) [mm] | 246(W) × 184 5(H) [mm] | | 211(W) × 1 | 58(H) [mm] | | 171(W) × 1 | 28(H) [mm] | |
| | Number of displayed characters | 16-dot standard font: 64 chars. × 48 lines (2-byte) 12-dot standard font: | 16-dot star 50 chars. × 37 12-dot star | ndard font: 7 lines (2-byte) ndard font: | | 16-dot standa 12-dot standa | ard font: 40 chars. \times 30 ard font: 53 chars. \times 40 | lines (2-byte) lines (2-byte) | | |
| Display | Display colors | 85 chars. × 64 lines (2-byte) | 66 chars. × 50 |) lines (2-byte) | | 256 colors | 16 colors | 65536 colors | 16 colors | |
| , | biopidy colore | Bight/left: 75° | Bight/left: 60° | | | Bight// | oft: 45° | Bight/left: 65° | Dight/left: 45% | |
| | View angle*5 | Up: 50°, Down: 60° | Up: 40°, Down: 50° | Right/left/up/down: 85° | Right/left/up/down: 85° | Up: Dow | 30°, n: 20° | Up: 50°, Down: 60° | Up: 20°, Down: 20° | |
| | Contrast adjustment | | | | | - | | | | |
| | Intensity | 450 [cd/m ²] | 350 [cd/m ²] | 400 [cd/m ²] | 380 [cd/m ²] | 200 [| cd/m ²] | 380 [cd/m ²] | 150 [cd/m ²] | |
| | Intensity adjustment | | 8-step ac | djustment | 1 | 4-step a | djustment | 8-step adjustment | 4-step adjustment | |
| | Life | Approx. 52,000 hours (operating ambient temperature: 25°C) | Approx. 50 (operating ambient | ,000 hours temperature: 25°C) | | (operatii | Approx. 41,000 hours ng ambient temperatur | e: 25°C) | | |
| Backligh | ıt | | Cold-cathode fluoresco | ent tube (replaceable), | with backlight OFF de | tection function. Backl | ight off time and scree | n save time can be set | | |
| | 1.10 101 | Approx. 50,000 hours or more | | | App | prox. 40,000 hours or n | nore | | | |
| | Life | | • | (Time for display ir | ntensity reaches 50% a | t operating ambient te | mperature of 25°C) | | | |
| | Туре | Analog resistive type | | | Matrix res | istive type | | | | |
| | Number of touch keys | 3072 keys/screen (48 lines × 64 columns) | 1900 keys/screen (3 | 8 lines $	imes$ 50 columns) | | 1200 keys | s/screen (30 lines $	imes$ 40 | columns) | | |
| Touch panel | Key size | Min. 2 × 2 [dots] (per key) | Min. 16 × (per key) (16 × 8 onl | 16 [dots] ly on lowermost line) | | | Min. 16 × 16 [dots] (per key) | | | |
| | No. of simultaneous touch points | Simultaneous touch prohibited*2 (1 point only) | | | | Max. 2 points | | | | |
| | Life | | | 1,000 | 0,000 times or more (or | perating force 0.98N o | r less) | | | |
| Liveran | Detection distance | 1 | m] | | | | - | | | |
| sensor | Detection range | Right/left/u | p/down: 70° | | | | - | | | |
| | Detection delay time | 0 to 4 | [sec] | | | | - | | | |
| Memory *3 | C drive | (for saving | 9MB built-in t project data, extended | flash memory function OS/optional f | unction OS) | 5MB built-in (for saving projec function OS/opti | flash memory ct data, extended onal function OS) | 9MB built-in flash memory (for saving project data, extended function OS/optional function OS) | 5MB built-in flash memory (for saving project data, extended function OS/optional function OS) | |
| | Life (No. of writings) | | | | 100,00 | 0 times | | | | |
| | | | | | GT15-BAT type lithit | um battery (optional) | | | | |
| Battery | Backed up data | | | CI | ock data and maintena | nce time notification d | ata | | | |
| | Life | | | Appr | rox. 5 years (operating | ambient temperature: | 25°C) | | | |
| | RS-232 | Application | RS-232, 1ch, Communication with c | Transmission speed: 1 connected devices, cor | 15200/57600/38400/19 nection to personal co | 9200/9600/4800 bps, mputer (project data u | Connector shape: D- pload/download, OS in | sub 9-pin (male) Istallation, FA transpare | ent function) | |
| Built-in | USB | | Application: C | connection to personal | computer (project data | 2 Mbps), device 1ch upload/download, OS | installation, FA transp | arent function) | | |
| | CF card | | (| Compact flash slot, 1cl | h, Connector shape: T | YPE I Application: D | ata transfer and storag | e | | |
| | Optional function board | | | | 1ch for optional funct | tion board installation | | | | |
| | Extension unit | | | 2c | h for communication ur | it/optional unit installa | tion | | | |
| Buzzer o | output | | | | Single tone (tone | length adjustable) | | | | |
| Protectiv | e construction | | I | I | JEM1030 Front: IP | 67f*4 In panel: IP2X | | 1 | | |
| External (without | dimensions USB port cover) | Sover) 397(W) × 296(H) × 61(D [mm]) 316(W) × 242(H) × 52(D) [mm] 303(W) × 214(H) × 49(D [mm]) 241(W) × 192(H) × 52(D) | | | | | | H) × 52(D) [mm] | | |
| Panel cu | at dimensions | 383.5(W) × 282.5(H) [mm] | 302(W) × 228(H) [mm] | | 289(W) × 2 | 00(H) [mm] | | 227(W) × 1 | 76(H) [mm] | |
| Weight (excl. mo | ounting brackets) | 4.9 [kg] | 2.8 [kg] | GT1575V:2.3 [kg] GT1575:2.4 [kg] | 2.4 [kg] | 2.3 | [kg] | 1.9 | [kg] | |
| Applicable software | Screen design software | | | | GT Designer2 Ver | sion 2.58L or later | | | | |
| packages | Simulation software | | | | GT Simulator2 Ver | rsion 2.58L or later | | | | |
| *1 : Using *2 : An an middle *3 : The b *4 : Confo IP2X | *5: LC panels have characteristics of tone reversal. Note that even within the indicated view angles, the screen display is used. When 2 points on the screen are touched simultaneously, if a switch is located the minute of the 2 points then the switch will be activated. Therefore, avoid touching 2 points on the screen simultaneously, if a switch is located the screen display may not be clear enough depending on the display color. *6: The Duilt-in memory is a ROM that permits overwriting of new data without having to delete the existing data. Conforms to the IPS7t (JEM1030) when a USB cable is connected.) *7 A use of the screen display may not be clear enough depending on the display color. *6: The GT1555-VTBD can be operated with a stylus pen. Using a stylus pen enables touching small switches without fault. Use a stylus pen within the following specifications. * Naterial: Polyacetal resin * Polyacetal resin * Polyacetal resin * Polyacetal resin | | | | | | | | | |

IP2X (JEM1030) when a USB cable is connected.) However, this does not guarantee protection in all users' environments.

Power supply specifications

| | | | | - | | Specii | Ication | | | | | |
|-----------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------|---------------------|------------------------|-----------------------------|
| I | tem | GT1595-XTBA | GT1585V-STBA GT1585-STBA | GT1575V-STE GT1575-STB/ GT1575-VTB/ GT1575-VNB, GT1572-VNB, GT1565-VTB/ GT1562-VNB, | A A A GT1595-XTBD A A A | GT1585V-STBD GT1585-STBD | GT1575- GT1575- GT1575- GT1575- GT1572- GT1565- GT1562- | /-STBD STBD VTBD VNBD VNBD VNBD VTBD VNBD | GT1555-VTBD | GT1555-QTBD | GT1555-QSBD | GT1550-QLBD |
| Input powe | r supply voltage | 100 t | o 240VAC (+10%, | -15%) | | | | 24 | 4VDC (+25%, -20% | 6) | | |
| Input fre | quency | | 50/60Hz ±5% | D. | | | | | - | | | |
| input maxir | num voitampere | 1 | 110VA (at max. loa | id) | E7W or loss | 12W/ or loss | 41W or | loco | - 10W or loss | 19W/ or loss | 17W or loss | 15W or loco |
| Power co | | 56W or less | 41W or less | 39W or less | (2380mA/24VDC) | (1790mA/24VDC) | (1710mA/2 | 24VDC) | (790mA/24VDC) | (750mA/24VDC) | (710mA/24VDC) | (620mA/24VDC) |
| off | TDackiight | 30W or less | 28W or less | 28W or less | (1330mA/24VDC) | (1250mA/24VDC) | (1250mA/ | 24VDC) | (580mA/24VDC) | | (540mA/24VDC) | |
| Inrush ci | urrent | 4ms. at max. load) | (4ms, at max, load) | (4ms, at max, lo | ad) (4ms, at max, load) | (1ms, at max, load) | (1ms, at m | ax. load) | (1ms. at max. load) | | (1ms. at max. load) | |
| Permissible failure time | e instantaneous | Withir | 20ms (100VAC o | r more) | | Within 10ms | | | | | | |
| Noise re | sistance | Noise width 1µ by noise simu | s, and noise freque lator with noise vol | ency 25 to 60Hz, Itage 1500Vp-p | | Noise width 1 μ s, and noise frequency 25 to 60Hz, by noise simulator with noise voltage 500Vp-p | | | | | | |
| Withstan | nd voltage | 1500VAC for 1 m ar | ninute between pow nd ground for 1 min | ver supply termination | al | 500VAC f | or 1 minute | betweer | n power supply tern | ninal and ground fo | r 1 minute | |
| Insulatio | n resistance | | | 10MΩ or hig | her with an insulatio | n resistance tester (| 500VDC b | etween | power supply term | inal and ground) | | |
| Applicab | arminal | | | | Clamp terminal | 0.75 to | 2 [mm-] /1 25-3 1/2 | -633 V | 2-N34 EV/2-N34 | | | |
| Tightening | torque (terminal | | | | Gramp terminal | | | . 30.0, V | 2.10/1, 1 V2-110A | | | |
| block's tern | ninal screws) | | | | | 0.5 to 0 |).8 [N·m] | | | | | |
| Perfo | ormance | specifica | ations | | | | | | | | | |
| | Item | GT1555- | -VTBD GT1 | Specific 555-QTBD | ation GT1555-QSBD | GT1550-QLBD | | | Compon | ent name | es | |
| | Туре | (high-bri | TFT color LCD ghtness, wide viev | ving angle) | STN color LCD | STN monochrom (black and white) L | e CD | GT15 | 95/GT1585/GT1 | 57 /GT156 | | |
| | Screen size | | | 5.7 | | | _ | | | | SM | |
| | Resolution | VGA:640 × | 480 [dots] | Q | VGA:320 × 240 [dots] | | | F | Reset switch | | (OS | installation switch) |
| | Display size | | | 115(W) × 86 | (H) [mm] | | _ | | Extension | | (GT | 595 only) |
| Display | Number of displayed characters | nber of layed racters 10-dot standard iont: (2-byte) 16-dot standard iont: 12-dot standard font: 20 chars. × 15 lines (2-byte) 0ptional function board interface 12-dot standard font: (2-byte) 12-dot standard font: 12-dot standard font: 26 chars. × 20 lines (2-byte) 0ptional function | | | | | CF of the second | eard interface ery holder eard access LED eard access switch | | | | |
| | Display colo | rs | 65536 colors | | 4096 colors | monochrome 16 gray s | cale | Power sup | pply terminal | | Vide | o/RGB interface |
| | View angle* | 5 Right/left 5 Up: 8 Down: | t: 80°, Righ 0°, U : 70° De | nt/left: 70°, Jp: 70°, own: 50° | Right/left: 55°, Up: 65°, Down: 70° | Right/left: 45°, Up: 20°, Down: 40° | | Human (GT159 | sensor | | (GT | 1585V and) 1575V only) |
| | Contrast adjustr | ment | _ | | 16-step a | adjustment | _ | GIIS | ss(v) only / | 0 | | |
| | Intensity | 350 [cc | 1/m²] 40 | 0 [cd/m ²] | 380 [cd/m ²] | 220 [cd/m ²] | | POWE | | _ _ | Tou | ch panel |
| | Intensity adjust | ment | | 8-step adju | istment | | | 1 OWL | | - | | |
| | Life | | (ope | Approx. 50,0 rating ambient te | 00 hours mperature: 25°C) | | | USB inf | terface | | | |
| Backligh | nt | Cold-catho | de fluorescent tub Backlight o | e (not replaceab ff time and scree | le), with backlight OF en save time can be s | F detection function | n | BS-232 | 2 interface | | | |
| | Life*1 | (Time (| Approx. 75,0 | 000 hours or mo | re | Approx. 58,000 hours or m | iore | | | | | |
| | Туре | (Time for | uispiay intensity i | Matrix regio | operating ampient ter | nperature of 25°C) | _ | | | *: | This illustration show | s GT1585V-STBA. |
| | Number of | 1200 kevs | /screen | 100011 10010 | 300 kevs/screen | | - [| GT15 | 5 | | | |
| Touch | touch keys | (30 lines × 40 |) columns) | (1 Min. 16 × 1 | 5 lines × 20 columns) 6 [dots] |) | _ | | | | | |
| panel | Key size | eous | | (per k | эу) | | _ | l | unit interface | | Ч | |
| | touch points | | | Max. 2 p | oints | | | Optio boar | onal tunction d interface | | | ard access LED |
| | Life | | 1,000,000 tim | nes or more (ope | rating force 0.98N or | less) | _ | | | | | ard access switch |
| Human | Detection distar | nce | | - | | | | | | رسطيحكي | Res | et switch |
| sensor | Detection range | time | | - | | | | | | -1 | | |
| Memory | C drive | y time | | | | | - | CF | erface | | | Touchanad |
| *3 | Life (No. of writ | tings) | GT15 | 100,000 -BAT type lithium | times | | _ | | | | | rouch panel |
| Batterv | Backed up d | lata | Clock data | and maintenand | e time notification da | ita | — | POWE | R LED | <u> </u> | | |
| , | Life | | Approx. 5 yea | ars (operating ar | nbient temperature: 2 | 25°C) | - | USB in | terface | | | |
| | RS-232 | RS-232, 1ch, Ti Application (pr | ransmission speed: 1152 n: Communication oject data upload/ | 200/57600/38400/192 with connected o download, OS in | 00/9600/4800 bps, Connec devices, connection to stallation, FA transpa | tor shape: D-sub 9-pin (m o personal compute rent function) | ale) er | RS-232 | 2 interface | | | Power supply |
| Built-in interface | USB | (pr | USB Applicati pject data upload/o | (full speed: 12 Minimum ion: Connection download. OS in | Abps), device 1ch to personal computer stallation. FA transpa | rent function) | | | | - <u></u> | | Battery holder |
| | CF card | Compact f | lash slot, 1ch, Conr | nector shape: TYP | EI Application: Data | transfer and storage | | | | | | |
| | | 1.0.00 | . , | | | | | | | | | |

| | Itom | | Specif | ication | | | | |
|-----------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------|--|--|--|
| | nem | GT1555-VTBD | GT1555-QTBD | GT1555-QSBD | GT1550-QLBD | | | |
| | Туре | TFT col (high-brightness, w | or LCD vide viewing angle) | STN color LCD | STN monochrome (black and white) LCD | | | |
| | Screen size | | 5. | 7" | | | | |
| | Resolution | VGA:640 × 480 [dots] | | QVGA:320 × 240 [dots | | | | |
| | Display size | | 115(W) × 8 | 36(H) [mm] | <u>,</u> | | | |
| Display | Number of displayed characters | 16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte) | 16-dot standa 12-dot standa | ard font: 20 chars. × 15 ard font: 26 chars. × 20 | lines (2-byte) lines (2-byte) | | | |
| Biopiay | Display colors | 65536 | colors | 4096 colors | monochrome 16 grav scale | | | |
| | View angle*5 | Right/left: 80°, Up: 80°, Down: 70° | Right/left: 70°, Up: 70°, Down: 50° | Right/left: 55°, Up: 65°, Down: 70° | Right/left: 45°, Up: 20°, Down: 40° | | | |
| | Contrast adjustment | - | - | 16-step a | adjustment | | | |
| | Intensity | 350 [cd/m ²] | 400 [cd/m ²] | 380 [cd/m ²] | 220 [cd/m ²] | | | |
| | Intensity adjustment | | 8-step ac | ljustment | | | | |
| | Life | | Approx. 50 (operating ambient | ,000 hours temperature: 25°C) | | | | |
| Backligh | nt | Cold-cathode fluores Bac | cent tube (not replacea cklight off time and scr | able), with backlight Ol een save time can be | FF detection function. set. | | | |
| | Life*1 | Арр | rox. 75,000 hours or m | ore | Approx. 58,000 hours or more | | | |
| | 2.10 | (Time for display in | tensity reaches 50% a | t operating ambient te | mperature of 25°C) | | | |
| | Туре | | Matrix res | istive type | | | | |
| | Number of | 1200 keys/screen | | 300 keys/screen | | | | |
| | touch keys | (30 lines × 40 columns) | | (15 lines × 20 columns | i) | | | |
| Touch panel *6 | Key size | | Min. 16 × (per | 16 [dots] key) | | | | |
| | No. of simultaneous touch points | | Max. 2 | points | | | | |
| | Life | 1,000 | ,000 times or more (or | perating force 0.98N or | r less) | | | |
| | Detection distance | | - | - | | | | |
| sensor | Detection range | | - | - | | | | |
| 0011001 | Detection delay time | - | | | | | | |
| Memory | C drive | 9MB built-in flash memory (for saving project data, extended function OS/optional function OS) | | | | | | |
| *0 | Life (No. of writings) | 100,000 times | | | | | | |
| | | GT15-BAT type lithium battery (optional) | | | | | | |
| Battery | Backed up data | Clock data and maintenance time notification data | | | | | | |
| | Life | Appr | ox. 5 years (operating a | ambient temperature: 2 | 25°C) | | | |
| | RS-232 | RS-232, 1ch. Transmission speed: 115200 (Oppertuing unificent comportance. 25 Of) RS-232, 1ch. Transmission speed: 115200/057600/38400/19200/9600/4800 bps, Connector shape: D-sub 9-pin (male Application: Communication with connected devices, connection to personal computer (project data upload/down)oad, OS installation. FA transparent function) | | | | | | |
| Built-in interface | USB | (project data | USB (full speed: 12 Application: Connection upload/download, OS i | Mbps), device 1ch n to personal compute installation, FA transpa | r arent function) | | | |
| | CF card | Compact flash slot. 10 | ch, Connector shape: Th | PEI Application: Data | transfer and storage | | | |
| | Optional function board | | 1ch for optional funct | ion board installation | | | | |
| | Extension unit | 1ct | for communication un | it/optional unit installa | tion | | | |
| Buzzer o | output | | Single tone (tone | length adjustable) | | | | |
| Protectiv | e construction | | JEM1030 Front: IP6 | 67f*4 In panel: IP2X | | | | |
| External (without | dimensions USB port cover) | | 167(W) × 135(H | l) × 60(D) [mm] | | | | |
| Panel ci | it dimensions | 153(W) × 121/H) [mm] | | | | | | |
| Weight (excl. mo | ounting brackets) | | 1.1 | [kg] | | | | |
| Applicable | Screen design software | GT Designer2 Version 2.58L or later | | | | | | |
| software | Simulation software | | GT Simulator? Ver | sion 2 58L or later | | | | |
| On LCD si elements | creens, bright dots (exist on an LCD scre | permanently lit) and black een, it is not possible to re | dots (not to be lit) generative appearance of the | rally appear. Because th bright and black dots to | ie large number of display zero. | | | |
| Note that are defect | may occur dependir the existence of brig ive or damaged. | ng on the display colors. ht and black dots is a sta | ndard characteristic of LC | CD screens, and it does | not mean that the product | | | |

Specifications GO

that the products



Specifications

GT11/GT10

General specifications

| Iter | n | | | Specif | ication | | | *1: Water bulb temperature for STN display type must be 39°C or lo *2: Do not operate or store the GOT unit in pressurized environm | | | | |
|-------------------------------------------------------------|---------------------------|------------------------------|----------------------|-----------------|-------------------------------------------------------|----------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Operating ambient Display temperature Other than display | | | | 0 to 5 | 0°C <mark>*</mark> 5 | | | *2: Do not operate or store the GO1 unit in pressurized environments where the pressure exceeds the 0m elevation atmospheric | | | | |
| | | | | 0 to 5 | pressure, as this could result in abnormal operation. | | | | | | | |
| Storage ambient temperature | | | | -20°C 1 | o 60°C | | | *3 : Assuming that the device is connected at some point between a | | | | |
| Operating ambier | nt humidity ^{*1} | | | 10 to 90%RH, r | o condensation | | | public power distribution network and local system equipment. | | | | |
| Storage ambient humidity*1 | | | | 10 to 90%RH, r | o condensation | | | fixed equipment. The surge withstand voltage is 2500V for devices | | | | |
| | | | | Frequency | Acceleration | Half amplitude | Sweep count | with ratings up to 300V. | | | | |
| | | Conforming to | Under intermittent | 5 to 9Hz | - | 3.5mm | 10 times in | *4: Index that indicates the level of foreign conductive matter in the operating environment of device. Contamination level 2 denotes contamination by non-conductive matter only. though momenta | | | | |
| Vibration resistan | ce | JIS B 3502 and | vibration | 9 to 150Hz | 9.8m/s ² | - | each of X, | | | | | |
| | | IEC 61131-2 Under continuous | 5 to 9Hz | - | 1.75mm | Y and Z | conductivity may occur due to occasional condensation. | | | | | |
| | | | vibration | 9 to 150Hz | 4.9m/s ² | - | directions | *5: 0 to 40°C for GT115 HS | | | | |
| Impact resistance |) | Conformi | ng to JIS B 3502 and | IEC 61131-2 (14 | *6 : Excluding G1115_HS | | | | | | | |
| Operating atmosp | ohere | | | No corro | sive gas | | | | | | | |
| Operating altitude*2 | | | 2000m | or less | | | - | | | | | |
| Installation location | | | In contro | l panel*6 | | | | | | | | |
| Overvoltage category*3 | | | | II or I | ower | | | | | | | |
| Contamination level*4 | | | 2 or less | | | | | | | | | |
| Cooling method | | | | Self-c | ooling | | | - | | | | |

Performance specifications

| | • | | | | 0 10 11 | | | | |
|------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--|
| | | | | | Specification | | | | |
| | Item | GT1155-QSBD | GT1150-QLBD | GT1155HS-QSBD | GT1150HS-QLBD | GT1155-QTBDQ GT1155-QTBDA | GT1155-QSBDQ GT1155-QSBDA | GT1150-QLBDQ GT1150-QLBDA | |
| | Туре | STN color LCD | STN monochrome (black and white) LCD | STN color LCD | STN monochrome (black and white) LCD | TFT color LCD | STN color LCD | STN monochrome (black and white) LCD | |
| | Screen size | | | | 5.7" | | | | |
| | Resolution | | | | QVGA:320 × 240 [dots] | | | | |
| | Display size | 115(W) × 86(H) [mm] (in | horizontal display mode) | 115(W) × | 86(H) [mm] | 115(W) × 86 | 6(H) [mm] (in horizontal c | lisplay mode) | |
| | Number of displayed characters | 10 | 6-dot standard font: 20 ch | ars. \times 15 lines (2-byte) | 12-dot standard font: 26 d | chars. × 20 lines (2-byte) | (in horizontal display mod | de) | |
| Display | Display colors | 256 colors | monochrome (black and white) 16 gray scale | 256 colors | monochrome (black and white) 16 gray scale | 256 0 | colors | monochrome (black and white 16 gray scale | |
| | View angle | Right/left: 50°, Up: 50°, Down: 60° (in horizontal display mode) | Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode) | Right/left: 50°, Up: 50°, Down: 60° | Right/left: 45°, Up: 20°, Down: 40° | Right/left: 70°, Up: 70°, Down: 50° (in horizontal display mode) | Right/left: 55°, Up: 65°, Down: 70° (in horizontal display mode) | Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode) | |
| | Contrast adjustment | | 16-step a | djustment | | - | 16-step a | adjustment | |
| | Intensity | 350 [cd/m ²] | 220 [cd/m ²] | 350 [cd/m ²] | 220 [cd/m ²] | 400 [cd/m ²] | 380 [cd/m ²] | 220 [cd/m ²] | |
| | Intensity adjustment | | | | 8-step adjustment | | | | |
| | Life | | | Approx. 50,000 h | ours (operating ambient to | emperature: 25°C) | | | |
| | | Cold-c | athode fluorescent tube (| not replaceable), with ba | cklight OFF detection fun | ction. Backlight off time a | nd screen save time can | be set. | |
| Backlight | Life#1 | Approx. 75,000 hours or more | Approx. 54,000 hours or more | Approx. 75,000 hours or more | Approx. 54,000 hours or more | Approx. 75,000 |) hours or more | Approx. 54,000 hours or more | |
| | Life | | (Tir | ne for display intensity re | aches 50% at operating a | mbient temperature of 25 | 5°C) | | |
| | Туре | | | | Matrix resistive type | | | | |
| | Number of touch keys | | | 300 keys/screen | (matrix consisting of 15 lin | nes $	imes$ 20 columns) | | | |
| Touch panel | Key size | | | N | /lin. 16 × 16 [dots] (per key | () | | | |
| rouen paner | No. of simultaneous touch points | | Max. 2 points | | | | | | |
| | Life | | | 1,000,000 time | es or more (operating force | e 0.98N or less) | | | |
| | C drive*2 | | | 3MB built-in fla | ash memory (for saving pr | oject data, OS) | | | |
| Memory | Life (No. of writings) | | | | 100,000 times | | | | |
| | D drive | | | Built-in S | SRAM, 512 Kbytes (batter | y backup) | | | |
| | | | | GT | 11-50BAT type lithium bat | ttery | | | |
| Battery | Backed up data | | | Clock d | lata, alarm history and rec | cipe data | | | |
| | Life | | | Approx. 5 year | rs (operating ambient tem | perature: 25°C) | | | |
| | Bus | | | - | 1ch for QCPU (Q 1ch for QnA/ Applic | mode)/motion controller C ACPU/motion controller C ation: For bus connection | CPU (Q series) or CPU (A series) of PLC | | |
| | RS-422 | RS-422, 1ch, Transmi 57600/38400/1920 Connector shape: D Application: Communication | ssion speed: 115200/ 00/9600/4800 bps, 0-sub 9-pin (female) on with connected devices | - | - | | - | | |
| Built-in interface | RS-422/232 | - | - | RS-422/2 (Select one Transmission s 57600/38400/192/ Connector shape: Rou Application: Communicati | 232, 1ch, when using.) speed: 115200/ 00/9600/4800 bps, und type, 32-pin (male) on with connected devices | | - | | |
| | RS-232 | RS-232, 1ch, Transmi 57600/38400/1920 Connector shape: Application: Communicatio connection to pe (project data upload/dov FA transpare | ssion speed: 115200/ 00/9600/4800 bps, D-sub 9-pin (male) n with connected devices, rsonal computer wnload, OS installation, ent function) | RS-232, 1ch, Transm 57600/38400/1921 Connector shape: Mi Application: Connectio (project data upload/dor FA transpar | ission speed: 115200/ 00/9600/4800 bps, ini-DIN 9-pin (female) n to personal computer wnload, OS installation, ent function) | RS-232, 5760 Conn Application: Conn (project da | 1ch, Transmission speed 0/38400/19200/9600/480 ector shape: D-sub 9-pin ection to barcode reader, ta upload/download, OS FA transparent function) | I: 115200/ 0 bps, (male) personal computer installation, | |
| | USB | | Application: Connec | USB tion to personal computer | (full speed: 12 Mbps), devi r (project data upload/dowr | ce 1ch nload, OS installation, FA t | ransparent function) | | |
| | CF card | | Compa | act flash slot, 1ch, Conne | ctor shape: TYPE I Appli | cation: Data transfer and s | torage | | |
| | Optional function board | | 1ch for optional funct | ion board installation | | (Opti | onal function board in mai | in unit) | |
| Buzzer outp | ut | | | Sing | le tone (tone length adjust | able) | | | |
| Protective co | onstruction | JEM1030 Front: IP6 | 67f*3 In panel: IP2X | JEM1030 F | ront: IP65f*4 | JEM10 | 030 Front: IP67f*3 In pan | el: IP2X | |
| External dim (without USE | nensions B port cover) | 164(W) × 135(H | H) × 56(D) [mm] | 176(W) × 220(H | 176(W) × 220(H) × 93(D) [mm] 167(W) × 135(H) × 65(D) [mm] | | | | |
| Panel cut dir | mensions | 153(W) × 1 | 21(H) [mm] | | - | | $153(W) \times 121(H) \ [mm]$ | | |
| Weight | | 0.7 [kg] (ex | cl. fittings) | 1.0 [kg] (ma | ain unit only) | 0.9 [kg] (excl. fittings) | | | |
| software | Screen design software | | | GT I | Designer2 Version 2.58L or | rlater | | | |
| packages | Simulation software | | | GT S | Simulator2 Version 2.58L o | r later | | | |
| and the second second | 007 | ALCORE (AND A AND A | and the second | and a state of the | | | | | |

*1: Using the GOT screen save/backlight OFF functions prevents screen burn-in and extends the backlight life.
*2: The built-in memory is a ROM that permits overwriting of new data without having to delete the existing data.
*3: Conforms to the IP67f (JEM1030) standard when the USB port cover is installed. (The USB interface conforms to IP2X (JEM1030) when a USB cable is connected.)

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However, this does not guarantee protection in all users' environments. The specification is not applied when the interface protective cover and rear face protective cover are removed.

Power supply specifications

| Item | GT1155-QSBD GT1155HS-QSBD | GT1150-QLBD GT1150HS-QLBD | GT1155-QTBDQ GT1155-QTBDA | GT1155-QS GT1155-QS |
|---------------------------------------------------------|------------------------------|------------------------------|--------------------------------|------------------------|
| Input power supply voltage | | | 24VDC (+10%, | -15%), ripple v |
| Input frequency | | | | |
| Input maximum voltampere | | | | |
| Power consumption | 9.84W or less (410mA/24VDC) | 9.36W or less (390mA/24VDC) | 11.16W or less (465mA/24VDC) | 9.72W or less (405) |
| With backlight off | 4.32W or less (| 180mA/24VDC) | 5.04 | 4W or less (210 |
| Inrush current | 15A or less (2m | is, at max. load) | 26A | or less (4ms, |
| Permissible instantaneous failure time | Withir | n 5ms | | Within 10 |
| Noine registeres | Noise width 1µs, and nois | e frequency 30 to 100Hz, | Noise width 1 | μs, and noise |
| Noise resistance | by noise simulator with | noise voltage 1000Vp-p | by noise sir | nulator with no |
| Withstand voltage | | 500 | VAC for 1 minute betwee | en power supp |
| Insulation resistance | | 10MΩ or higher w | ith an insulation resista | nce tester (500 |
| Applicable wire size | | | 0.75 to 2 [mm ²]*1 | |
| Clamp terminal | | Clamp terminals for | M3 screw RAV1.25-3, | V2-N3A, FV2-N |
| Tightening torque (terminal block's terminal screws) | | | 0.5 to 0.8 [N·m]*1 | |
| Grounding | | | _ | |

Performance specifications

| | | | | | Specif | Ication | | | | | |
|-------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--|--|
| | Item | GT1030-LBD | GT1030-LBDW | GT1030-LBD2 | GT1030-LBDW2 | GT1020-LBD GT1020-LBL | GT1020-LBDW GT1020-LBLW | GT1020-LBD2 | GT1020-LBDW2 | | |
| | Туре | | • | | STN monochrome (b | black and white) LCD | | | | | |
| | Screen size | | 4. | 5" | | | 3 | 7" | | | |
| | Resolution | | 288 × 9 | 6 [dots] | | 160 × 64 [dots] | | | | | |
| | Display size | | 109.42(W) × 3 | 35.98(H) [mm] | | 86.4(W) × 34.5(H) [mm] | | | | | |
| | Number of | 16-dot standard font: 36 | chars. × 6 lines (1-byte) | or 18 chars. × 6 lines (2-b | yte) (in horizontal mode) | 16-dot standard font: 20 chars. × 4 lines (1-byte) or | | | | | |
| | displayed characters | 12-dot standard font: 48 | chars. × 8 lines (1-byte) | or 24 chars. × 8 lines (2-b | oyte) (in horizontal mode) | 10 c | hars. × 4 lines (2-byte) | (in horizontal display m | ode) | | |
| Display | Display colors | | Monochrome (black and white) | | | | | | | | |
| | View angle | | Right/left: 30°, Up: 20°, Down: 30° (in horizontal display mode) | | | | | | | | |
| | Contrast adjustment | | | | | | | | | | |
| | Intensity | 200 [cd/m ²] (in green) | 300 [cd/m ²] (in white) | 200 [cd/m ²] (in green) | 300 [cd/m ²] (in white) | 200 [cd/m ²] (in green) | 300 [cd/m ²] (in white) | 200 [cd/m ²] (in green) | 300 [cd/m ²] (in white) | | |
| | Intensity adjustment | | 8-s | tep | | | | - | | | |
| | Life ^{*1} | | Approx. 5 | 0,000 hours (Time after | r which display contrast | reaches 20% at operati | ng ambient temperatur | e of 25°C) | | | |
| | | 3-color LED | 3-color LED | 3-color LED | 3-color LED | 3-color LED | 3-color LED | 3-color LED | 3-color LED | | |
| Backlight | Color | (green, orange and red) | (white, pink and red) | (green, orange and red) | (white, pink and red) | (green, orange and red) | (white, pink and red) | (green, orange and red) | (white, pink and red) | | |
| Duokingin | | (replacement not needed) | (replacement not needed) | (replacement not needed) | (replacement not needed) | (replacement not needed) | (replacement not needed) | (replacement not needed) | (replacement not needed) | | |
| | Function | Status (on/blinking/off) control is possible. Screen save time can be set. | | | | | | | | | |
| | Туре | | Matrix res | istive type | | | Analog re: | sistive type | | | |
| Touch | Number of touch keys | | | | Max. 50 ke | eys/screen | | | | | |
| | Key size | | Min. 16 × 16 [| dots] (per key) | | | Min. 2 × 2 [d | ots] (per key) | | | |
| panel | No. of simultaneous touch points | | Max. 2 | points | | Simul (If there is a swite | taneous pressing of mo th near the center of the | ore than one key is impo e pressed keys, the swit | ssible ch may function.) | | |
| | Life | | | 1,00 | 00,000 times or more (or | perating force 0.98N or | less) | | | | |
| Memory | User memory*2 | | Built-in fla for saving project data (| ash ROM (1.5 Mbytes or less), OS | 6 | for saving pro | Built-in fl ject data (512 Kbytes o | ash ROM r less), OS, alarm histo | ry, recipe data | | |
| | Life (No. of writings) | | | | 100,00 | J0 times | | | | | |
| | | | GT11-50BAT typ | e lithium battery | | | | - | | | |
| Battery | Backed up data | | Clock data, alarm his | story and recipe data | | | | - | | | |
| | Life | Арр | rox. 5 years (operating | ambient temperature: 2 | :5°C) | | | _ | | | |
| Built-in | For communication with PLC | RS-422, 1ch, Transmi 57600/38400/1920 Connector shape: Conne Application: Comm | ission speed: 115200/ 00/9600/4800 bps, cter terminal block, 9-pin unication with PLC | RS-232, 1ch, Transm 57600/38400/192 ² Connector shape: Conne Application: Comm | ission speed: 115200/ 00/9600/4800 bps, ecter terminal block, 9-pin nunication with PLC | RS-422, 1ch, Transmis 57600/38400/1920 Connector shape: Connec Application: Comm | ssion speed: 115200/ 0/9600/4800 bps, cter terminal block, 9-pin unication with PLC | RS-232, 1ch, Transm 57600/38400/1920 Connector shape: Conne Application: Comm | Ission speed: 115200/ 20/9600/4800 bps, acter terminal block, 9-pin nunication with PLC | | |
| menace | For communication with personal computer | n RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800 bps, Connector shape: Mini DIN 6-pin (female) Application: Communication with personal computer (project data upload/download, OS installation, transparent function) | | | | | | | | | |
| Buzzer ou | itput | | | | Single tone (tone len | gth adjustable/none) | | | | | |
| Protective | construction*4 | | | | Conforming to IP67f (| IEM1030) (front panel) | | | | | |
| External of | limensions | | 145(W) × 76(H) | ×29.5(D) [mm] | | | 113(W) × 74(H | l) × 27(D) [mm] | | | |
| Panel cut | dimensions | | 137(W) × 0 | 66(H) [mm] | | | 105(W) × | 66(H) [mm] | | | |
| Weight | | | 0.3 [kg] (e: | xcl. fittings) | | | 0.2 [kg] (e | xcl. fittings) | | | |
| Screen de | sign software | re GT Designer2 Version 2.58L or later | | | | | | | | | |

On LCD screens, bright dots (permanently lit) and black dots (not to be lit) generally appear. Because the large number of display elements exist on an LCD screen, it is not possible to reduce appearance of the bright and black dots to zero. Flickering may occur depending on the display colors. Note that the existence of bright and black dots is a standard characteristic of LCD screens, and it does not mean that the products are defective or damaged.

Component names



| Specific | ation | | | | | | | |
|-------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------|--|--|--|--|
| SBDQ SBDA | GT1150-QLBDQ GT1150-QLBDA | GT1030-LBD GT1030-LBD2 GT1030-LBDW GT1030-LBDW2 | GT1020-LBD GT1020-LBD2 GT1020-LBDW GT1020-LBDW2 | GT1020-LBL GT1020-LBLW | | | | |
| voltage of 2 | 200mV or less | | | 5VDC (±5%), supplied from PLC communication cable | | | | |
| - | | | | | | | | |
| m4/24VDC) 7 | 7 92W or less (330mA/24VDC) | 2 2W or less (90m4/24VDC) | 1 9W or less (80m4/24VDC) | 1 1W or less (220m4/5V/DC) | | | | |
| 0mA/24VD | C) | 1 7W or less (70mA/24VDC) | 1 2W or less (50mA/24VDC) | 0.6W or less (120mA/5VDC) | | | | |
| at max loa | ud) | 184 or less(26 4VDC) 1ms | 134 or less(26 4V/DC) 1ms | - | | | | |
| ms | | Within | 5ms | _ | | | | |
| frequency | 25 to 60Hz | Noise width 1u | s and noise frequency | 30 to 100Hz | | | | |
| bise voltage | e 500Vp-p | by noise sim | ulator with noise voltag | e 1000Vp-p | | | | |
| | and ground for 1 mil | minal and ground) | | _ | | | | |
| JADC Delm | een power supply ten | 0 14 to 1 0mm ² (th | vioted wire) 0 14 to 1 5 | - mm² (aalid wire) | | | | |
| | | | wisted wire), 0.14 to 1.5 | hu Dhaaniy Cantaat) | | | | |
| NJA. | | AI2.3-000, AI0.34-010 | anu Alu.5-own (mau | by Phoenix Contact) | | | | |
| | | | 0.22 to 0.25 [N·m] | | | | | |
| | | Class D grounding (100 unit cannot be grounded | DΩ or less) When the I, ground it to the panel. | - | | | | |
| | | | ÷ | Excluding GT115 HS | | | | |
| Speci | fication | | | | | | | |
|)-LBDW2 | GT1020-LBD GT1020-LBL | GT1020-LBDW GT1020-LBLW | GT1020-LBD2 | GT1020-LBDW2 | | | | |
| nochrome | (black and white) LCD | • | | | | | | |
| | | 3 | 3.7" | | | | | |
| | | 160× | 64 [dots] | | | | | |
| | | 86.4(W) × | 34.5(H) [mm] | | | | | |
| zontal mode |) | 16-dot standard font: 20 | chars. × 4 lines (1-bvte) | or | | | | |
| contal mode | 10 | chars. × 4 lines (2-byte) | (in horizontal display n | node) | | | | |
| nochrome | (black and white) | | | , | | | | |
| 20° Down | 30° (in horizontal disc | lav mode) | | | | | | |
| 16-ston | adjustment | | | | | | | |
| ^{10-step} | 200 [cd/m ²] (in greer | n) 300 [cd/m ²] (in white) | 200 [cd/m ²] (in green) | 300 [cd/m ²] (in white) | | | | |
| | t reaches 20% at anot | ating ombient temperatu | - | | | | | |
| iay contras | | | | | | | | |
| or LED nk and red) nt not needed | (green, orange and re () (replacement not neede | (white, pink and red) (replacement not needed | (green, orange and red (replacement not needed) | (white, pink and red) (replacement not needed) | | | | |
| control is po | ossible. Screen save t | ime can be set. | | | | | | |
| | | Analog re | esistive type | | | | | |
| Max. 50 I | keys/screen | | | | | | | |
| | | Min. 2 × 2 [| dots] (per key) | | | | | |
| | Sim (If there is a sw | ultaneous pressing of m vitch near the center of th | ore than one key is import the pressed keys, the swi | ossible tch may function.) | | | | |
| s or more (o | operating force 0.98N | or iess) | | | | | | |
| | for saving p | Built-in project data (512 Kbytes | llash ROM or less), OS, alarm histo | ry, recipe data | | | | |
| 100,0 | UU times | | | | | | | |
| | | | | | | | | |
| | - | | | | | | | |
| | | | | | | | | |
| d: 115200/ 00 bps, I block, 9-pir | 57600/38400/19 Connector shape: Con | 200/9600/4800 bps, necter terminal block, 9-pin | 57600/38400/192 Connector shape: Conn | 200/9600/4800 bps, ecter terminal block, 9-pin | | | | |
| /ith PLC | Application: Com | munication with PLC | Application: Comr | nunication with PLC | | | | |
| speed: 115 or shape: N uter (projec | 200/57600/38400/192 /ini DIN 6-pin (female) ct data upload/downloa | 00/9600/4800 bps, id, OS installation, transp | parent function) | | | | | |
| one (tone le | ngth adjustable/none) | | | | | | | |
| ng to IP67f | (JEM1030) (front pane | l) | | | | | | |
| | | 113(W) × 74(| H) × 27(D) [mm] | | | | | |
| | | 105(W) × | 66(H) [mm] | | | | | |
| | | 0.2 [kg] (e | excl. fittings) | | | | | |
| ocionor? Ve | arcian 2 58L or later | | | | | | | |



External dimensions

GOT main unit External dimensions GT1595 GT1585 27 g g of -0, ם מור 301 GT156 GT155 241 175.5



GT157

GT1020

GT115 -Q BDQ

GT115 -Q BDA

0



110

175.5

226

Panel cut dimensions

GT15-CFEX-C08SET

(Unit: mm)

80 or more

Panel thickness: 1 to 4mm

| When GOT is installed (U | | | | | | | | |
|--------------------------|-----------------------|-------|-------|--|--|--|--|--|
| Screen size | Type of GOT main unit | | В | | | | | |
| 15" | GT1595 | 383.5 | 282.5 | | | | | |
| 12.1" | GT1585 ^{*1} | 302 | 228 | | | | | |
| 10.4" | GT157 🔤 *2 | 289 | 200 | | | | | |
| 8.4" | GT156 | 227 | 176 | | | | | |
| 5.7" | GT155 ^{*3} | 150 | 101 | | | | | |
| 5.7" | GT115 🔤 🏁 | 155 | 121 | | | | | |
| 4.5" | GT1030 | 137 | 66 | | | | | |
| 3.7" | GT1020 | 105 | 66 | | | | | |

• When CF card extension unit (mounting unit on control panel) is installed

33.0

Cautions when installing and uninstalling When installing the CF card extension unit on the control panel, make sure that the extension unit does not interfere with the extension unit cable or the CF card interface of GOT. Place the CF card extension unit at a distance of 25mm or more from GOT. For installation locations, see the GT15 User's Manual.

Product installation interval

94.0

Keep the following distances between the GOT and structural objects and other devices.

| C | GT15 | | | | | (|
|------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------|
| | Item | GT1595 | GT1585 | GT157 | GT156 | GT1 |
| | GOT only When bus connection unit is installed When serial communication unit is installed | 50 or more (20 or more) | | 50 or more (31 or more) | 50 or more (36 or more) | 65 o |
| | When RS-422 conversion unit is installed | 50 or more | 51 or more | 68 or more | 73 or more | |
| | When Ethernet communication unit is installed | | 50 or more | (20 or more) | | 50 or more |
| | When CC-Link communication unit is installed (GT15-J61BT13) | | 50 or more | (20 or more) | | 50 o (32 o |
| | When MELSECNET/H communication unit (coaxial) is installed | 50 or more (20 or more) | 50 or more (24 or more) | 50 or more (38 or more) | 50 or more | 72 o |
| ٩ | When MELSECNET/H communication unit (optical) is installed | 50 or more (20 or more)*1 | | | | |
| | When printer unit is installed | 50 or more | (20 or more) | 50 or more (31 or more) | 50 or more (36 or more) | 50 o |
| | When video input unit is installed | - | 50 or more (2 | 20 or more)*2 | - | |
| | RGB input unit Video/RGB input unit RGB output unit | – 50 or more (2 | | 20 or more)*3 – | | |
| | CF card unit | | - | | | |
| CF card extension unit External input/output unit | | 50 or more (20 or more) | | 50 or more (31 or more) | 50 or more (36 or more) | 65 o |
| _ | Audio output unit | | | | | |
| 3 | | | 80 0 | or more (20 or m | iore) | |
| С | (When CF card is not used) | | 50 0 | or more (20 or m | iore) | |
| _ | (When CF card is used) | | 50 0 | or more (20 or m | iore) | 100 c |
| | | | 50 0 | or more (20 or m | iore) | |
| - | | | 100 | or more (20 or n | nore) | |
| | | | | | | |

*1 : The distance varies depending on the cable to be used. For System & Service office.

The values in the table are given for your reference. *2 : The distances required when the coaxial cable 3C-2V (JIS C 3501) is used.

*3 : The distance varies depending on the cable to be used. When the bending radius of the cable is larger than the indicated value, keep a space appropriate to the bending radius.

Dimensions shown in parentheses apply when there are no devices nearby (contactor, etc.) which produce radiated noise or heat. Even with these dimensions, however, the ambient temperature must never exceed 55°C. Depending on the unit and cable being used, a cable length longer than the dimension A (dimension D for GT10) shown above may be required.

| Bus connection cables | | | | | | |
|---------------------------------------------------------------------------------|-----------------------------|---------------------|--------|--|--|--|
| Cable model name | Cable length | External dimensions | | | | |
| GT15-QC B | 0.6, 1.2, 3, 5, 10m | Fig. 1 | | | | |
| GT15-QC BS | 15, 20, 25, 30, 35m | Fig. 1 | Fig. 2 | | | |
| GT15-CONB | 1.2, 3, 5m | Fig. 2 | | | | |
| GT15-ACB | 0.6, 1.2, 3, 5m | Fig. 3 | | | | |
| GT15-A370C B-S1 | 1.2, 2.5m | Fig. 4 | | | | |
| GT15-A370C B | 1.2, 2.5m | Fig. 5 | | | | |
| GT15-A1SC B | 0.7, 1.2, 3, 5m | Fig. 6 | Fig. 3 | | | |
| GT15-A1SC NB | 0.45, 0.7, 3, 5m | Fig. 7 | | | | |
| GT15-C EXSS-1*1 | 10.6, 20.6, 30.6m | Figs 8 and 9 | | | | |
| GT15-EXCNB | 0.5m | Fig. 8 | | | | |
| GT15-CBS | 0.7, 1.2, 3, 5, 10, 20, 30m | Fig. 9 | Fig. 4 | | | |
| GT15-J2C10B | 1m | Fig. 10 | | | | |
| CT15-C□EXSS-1 is a set consisting of GT15-EXCNB and GT15-C□BS. (See Fig. A.) | | | | | | |
| PLC side GOT side | | | | | | |
| | | | | | | |

GT15-C BS (Fig. 9)

GT15-EXCNB (Fig. 8)







GT01-C30R2-9S

GT10-C30B2-6P

GT01-C30R2-25P

External dimensions

Fig. 17

Fig. 18

Fig. 19

| RS-422 cables | | | | | | |
|------------------|-------------------------------|---------------------|--|--|--|--|
| Cable model name | Cable model name Cable length | | | | | |
| GT01-C30R4-25P | 3m | Fig. 11 | | | | |
| GT01-C R4-25P | 10, 20, 30m | Fig. 12 | | | | |
| GT01-C R4-8P | 1, 3, 10, 20, 30m | Fig. 13 | | | | |
| GT10-C R4-8P | 1, 3, 10, 20, 30m | Fig. 14 | | | | |
| GT10-C R4-25P | 3, 10, 20, 30m | Fig. 15 | | | | |
| RS-232 cables | | | | | | |
| Cable model name | Cable length | External dimensions | | | | |
| GT01-C30B2-6P | 3m | Fig 16 | | | | |

3m

3m

3m



| Communication units/optional units | | | | | |
|------------------------------------------------------------|----------------------------------------------------------------|--------------------------------|--------------|-----------------|---------------------|
| ●Comm | unication ur | nits/bus extension | cor | nector boxes | |
| | Produc | ct name | | Model name | External dimensions |
| | Standard model of b | us connection unit for | 1ch | GT15-QBUS | Fig. 20 |
| | QCPU (Q mode)/mo | tion controller CPU (Q Series) | 2ch | GT15-QBUS2 | Fig. 21 |
| Bue | Standard model of | f bus connection unit for | 1ch | GT15-ABUS | Fig. 20 |
| Dus | QnA/ACPU/motion | n controller CPU (A Series) | 2ch | GT15-ABUS2 | Fig. 21 |
| connection | Thin model of bus co | onnection unit for | 1ch | GT15-75QBUSL | Fig. 22 |
| um | QCPU (Q mode)/mo | tion controller CPU (Q Series) | 2ch | GT15-75QBUS2L | Fig. 22 |
| | Thin model of bus | connection unit for | 1ch | GT15-75ABUSL | Fig. 22 |
| | QnA/ACPU/motion | n controller CPU (A Series) | 2ch | GT15-75ABUS2L | Fig. 22 |
| | RS-232 serial co (D-sub 9-pin (m | ommunication unit ale)) | | GT15-RS2-9P | Fig. 23 |
| communication | RS-422/485 serial communication unit (D-sub 9-pin (female)) | | | GT15-RS4-9S | Fig. 23 |
| unit | RS-422/485 ser (terminal block) | ial communication unit | GT15-RS4-TE | Fig. 24 | |
| RS-422 | RS-232>RS-4 | 22 conversion unit (9-pir | 1) | GT15-RS2T4-9P | Fig. 25 |
| conversion unit | RS-232>RS-4 | 22 conversion unit (25-p | in) | GT15-RS2T4-25P | Fig. 25 |
| Bus exten | sion connector bo | x | , | A9GT-QCNB | Fig. 26 |
| Bus conne | ctor conversion b | xox | | A7GT-CNB | Fig. 27 |
| MELSECNET/H Optical loop unit | | GT15-J71LP23-25 | Fig. 28 | | |
| communication unit Coaxial bus unit | | GT15-J71BR13 | Fig. 29 | | |
| CC-Link communication unit Intelligent device station unit | | | GT15-J61BT13 | Fig. 30 | |
| Ethernet communication unit | | | | GT15-J71E71-100 | Fig. 31 |
| Optior | nal units | | | | |
| Product name | | | | Model name | External |

GT15-PRN Printer unit Fig. 32 GT15V-75V4 Fig. 33 Video input unit RGB input unit GT15V-75B1 Fig. 33 GT15V-75V4R Video/RGB input uni Fia. 33 RGB output unit GT15V-75ROUT Fig. 33 CF card unit CF card extension unit GT15-CFCD Fig. 34 GT15-CFEX-C08SET Fig. 35 GT15-SOUT Audio output unit Fig. 36 GT15-DIO Fig. 37 External input/output unit GT11H-CNB-37S Fig. 38 Handy GOT connector conversion box

*1 : The connector shape varies depending on the model. *4 : Dimension A for each *2 : Dimensions A to E for each comm communication unit ABCDE GT15-QBUS 2.3 0.5 12 31.5 GT15-QBUS2 2.5 3.0 11 29 33.5 GT15-75QBUSL GT15-75QBUS2L GT15-ABUS 4.5 0.8 15 29.5 -GT15-75ABUS GT15-ABUS2 4.5 3.0 11 31 31 GT15-75ABUS2L *3 : Dimension X when GOT is installed Dimension X when GOT is installed 15" and 10.4" 15" and 10.4" 21 42.5 64.5 12 1" 18 39.5 61.5 8.4" and 5.7

4 drilled holes Ø3.5

Panel cut



12.1"





CF card & optional function board selection <GT15/GT11>

When using the GT15

- When using optional functions & extended functions To use the optional functions marked with ***3** shown in Table A, the GT15-QFNB(M) or GT15-MESB48M must be mounted.
- To use the optional functions marked with *****6 shown in Table A, the GT15-MESB48M must be mounted.
- Since the following GOT model has a built-in optional function board (GT15-FNB), it is unnecessary to mount an optional function board to use the optional functions other than *3 and *6.
- •GT15: Version D or later
- * To activate the built-in optional function board, install the standard monitor OS of the GT Designer2 Version 2.58L or later
- Note that installation of the OS for some functions will decrease the free space in the user area.
- Check the user area size necessary for the optional function OS and extended function OS in Table A. If the free space in the user area is insufficient, select an optional function board with expansion memory (GT15-QFNB_M or GT15-MESB48M).

Selection according to required space in user area

If the total amount of data to be stored in the user area exceeds the standard memory capacity*1, mount a CF card and an optional function board with expansion memory (GT15-QFNB M or GT15-MESB48M).

Selecting a CF card

(Unit: mm)

136.8

Select a CF card with a larger capacity than the total amount of data to be stored in the user area.*2

• Selecting optional function boards with expansion memory

Select an optional function board with expansion memory with a larger capacity than [total amount of data to be stored in the user area] - [standard memory capacity.]*2

The following data are stored in the user area. For more details on the data amount, see the GT Designer2 Version2 Basic Operation /Data Transfer Manual. Project data
 •Extended function OS Optional function OS •Special data •2nd and subsequent communication drivers •Buffering data (Ensure that the total amount of the extended function OS, optional function OS, special data and 2nd and subsequent communication drivers is less than the standard memory capacity.)

The CF card can be used for the following GT15 functions. •Data transfer (usable also on GT11) •Advanced recipe •Historical trend graph •Parts movement •Advanced alarm •Recipe (usable also on GT11) •Parts display •Hardcopy •Alarm history (usable also on GT11) •Logging •Report* Memory expansion* •Operation log* •Document display* •Backup/restoration* Ladder monitor

A CF card is always required to use the functions marked with asterisk (*)

When using the GT11

When using optional functions

Since the following GOT models have a built-in optional function board (GT11-50FNB), it is unnecessary to mount an optional function board to use optional functions shown in Table A. •GT115 -O BDO •GT115 -O BDA

- •GT115 HS-Q BD: Version B or later
- •GT115 -Q BD: Version C or later

Backward compatibility

Project data

GT Designer → GT Designer2 compatibility * Project data created in GT Designer can be used in GT Designer2.

GOT900 series → GOT1000 series compatibility *

• Using data from the GOT-A900 series

The GOT900 series project data can be used on the GOT1000 series.

• Using data from the GOT-F900 series

The GOT-F900 series project data can be used on the GOT1000 series. For the details, see the Project Data Conversion Summary (JY997D1761). *Some data and functions cannot be used on the GOT1000 series.

[Table A]

| | | | User area size to be used (KB) | | |
|----------|-----------------------|--------------------------------------------------------|--------------------------------|-------|--|
| Function | | | GT15 | GT11 | |
| | Barcode | | 84 | *5 | |
| | System monite | or | 746 | *5 | |
| | Report | | 235 | None | |
| | Printer | | 1104 | None | |
| | Operation log | (device name conversion library) | 800 | None | |
| Suc | | Stroke font support function | 400 | None | |
| cti | | Stroke basic font (Japanese) | 2160 | None | |
| fu | Stroke font | Stroke basic font (Japanese) (with Hangeul) | 3175 | None | |
| eq | | Stroke basic font (Chinese, Simplified) | 1474 | None | |
| pu | | Stroke basic font (Chinese, Simplified) (with Hangeul) | 2016 | None | |
| Exte | Video display | Video/RGB | 512 | None | |
| | RGD uisplay | ation | 800 | Nono | |
| | Dackup/restor | ation | 794 | None | |
| | Audio output | enication | 200 | None | |
| | External I/O | paration panal | 200 | None | |
| | External I/O, C | ime netification function | 100 | None | |
| | Multi ehennel | | *4 | None | |
| | Multi-channel | | *4 | None | |
| | | Standard font (Chinese, Simplified) | 1280 | None | |
| | Kanji region | Standard Ionit (Chinese, Traditional) | 1920 | None | |
| | | Standard Ionit (Japanese) | 1280 | None | |
| | | Stroke font (Japanese) | 1037 | None | |
| | | Stroke font (Chinese, Simplified) | 1248 | None | |
| | On ensting long | Stroke font (Chinese, Traditional) | 1680 | None | |
| | Operation log | - L | 1218 | None | |
| | Kana Kanii sanyarajan | | 2048 | None | |
| | Kana-Kanji conversion | | 1223 | None | |
| S | Historical tren | a graph | *4 | None | |
| ion | Logging | | 740 | INONE | |
| nct | Recipe | | 100 | *5 | |
| Ę. | Advanced rec | pe | 1241 | None | |
| na | Object script | | 360 | None | |
| ptic | Ladder | MELSEC-A ladder monitor | 523 | None | |
| 0 | monitor | MELSEC-FX ladder monitor | 592 | None | |
| | A list sellter | MELSEC-Q/QnA ladder monitor** | 1082 | INONE | |
| | A list editor | MELSEC-A list editor | 1058 | *5 | |
| | FX list editor | MELSEG-FX list editor | 1058 | *5 | |
| | Intelligent unit | monitor | 384 | None | |
| | Network moni | tor | 324 | None | |
| | Q motion mon | itor | 607 | None | |
| | Servo amplifie | er monitor | 524 | None | |
| | CINC monitor | | 588 | None | |
| | | Gateway (server, client) | 100 | None | |
| | Gateway | Gateway (mail) | 100 | None | |
| | | Gateway (FTP) | 64 | None | |
| | MES interface | *0 | 3196 *6 | None | |

*1 : The standard memory capacity (built-in flash memory in C drive) varies depending on the model. For the details, see Specifications (page 52),

*2 : Approximate standard *3 : GT15-FNB does not support the multi-channel function, MELSEC-Q/QnA ladder monitor function and document display function. These functions require GT15-QFNB([]M) or GT15-MESB48M

*4 : Installation of the optional function OS is not required.

*5 : Requires installation of the optional function OS and extended function OS, but does not use the user area.
*6 : Use GT15-MESB48M for the MES interface function.

8218KB out of the expansion memory (48MB) of GT15-MESB48M will be used for operation of the MES interface function

Cables

Bus connection cables

The bus connection cables for the GOT900 series cannot be used for the GOT1000 series. The bus connection cables for the GOT1000 series cannot be used for the GOT900 series.

RS-422 and RS-232 cables

The RS-422 and RS-232 cables for the GOT900 series cannot be used for the GOT1000 series. The RS-422 and RS-232 cables for the GOT1000 series cannot be used for the GOT900 series.

Panel cut dimensions

GOT900 series → GOT1000 series compatibility • The A985GOT(-V) and GT1585, A975/970GOT(-B) and GT157 , and

F940GOT and GT155 /GT115 have the same panel cut dimensions, respectively. Therefore, it is not necessary to change the mounting hole size. • Although the A95 differ in panel cut dimensions from the GT155,

GT115 -Q BDQ and GT115 -Q BDA, the former model can be replaced with any of the latter ones without changing the mounting hole size.



Notes for use

To use the multi-channel function <GT15>

The multi-channel function is designed to connect and monitor multiple FA devices by mounting multiple communication units on a single GOT unit or by using the standard interface (built in RS-232 interface).

Acceptable combinations

The following connection combinations can be used for the multi-channel function

①Bus connection or network connection*1 + serial connection*2

②Serial connection only

- *1 : Network connections include the following connection configurations MELSECNET/H connection
 MELSECNET/10 connection
 CC-Link connection Ethernet connection
- *2 : Serial connections include the following connection configurations. CPU direct connection
 Computer link connection
 CC-Link connection (via G4)
 Microcomputer connection
 Third party PLC connection Temperature controller connection
 Inverter connection
 Servo amplifier connection • CNC connection (CPU direct connection)

Maximum number of connectable channels, mountable

units and mounting stages

- (1) Number of connectable channels The number of connectable channels varies depending on the GOT model. See the following table.
- (2) Number of mountable units and mounting stages
- When the multi-channel function is used, add interfaces on the GOT side by any of the following methods.
- (a) Stack communication units on the extension unit interface. (b) Mount a communication unit on the extension unit interface to use
- the unit in combination with the standard interface (built-in RS-232 interface). The number of mountable units and mounting stages vary depending on the GOT model. See the following table.

* : The performance of GOT may be affected depending on the configuration of connected devices.

| | | GT1595/GT1585 GT157 /GT156 | GT155 | Description | | | |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| (1) | Number of connectable channels | Up to 4 channels | Up to 2 channels | The number of communication ports (communication units and standard interfaces) for use for communication on GOT. Only one channel per one GOT can be connected in bus connection and network connection. When the Ethernet communication unit is used for other functions than communication with the connected device ^{%3}, the unit is not included in the number of connected channels. When the standard interface is used to connect with a peripheral device ^{%4}, the interface is not included in the number of connected channels. [Some Calculation of current consumed by units <g15>" (page 61).</g15> | | | |
| | Number of mountable units | Up to 5 units | Up to 3 units | The number of units that can be mounted on the extension unit interfaces 1 and 2 of GOT. • More than one serial communication unit * ⁵ of the same model can be mounted. • Optional units are included in the number of units. • RS-422 conversion units are not included in the number of units. • It is necessary to calculate the total current consumed by the units to be mounted. [] See "Calculation of current consumed by units <g15>" (page 61).</g15> | | | |
| (2) | Number of mounting stages | Up to 3 stages (2 slots) | Up to 3 stages (1 slot) | The number of mounting stages that units can be stacked on the extension unit interfaces 1 and 2 of GOT. Units that occupy two slots *6 *7 must be mounted on the first stage. When any units in *7 is used, mount the unit on the first stage, then mount other units on the second or subsequent stages. Units in *8 cannot be stacked on other units. Mount any of the units on the first stage. See "External dimensions" (page 56) and "Mounting units on the GOT side interface <gt15>" (page 60).</gt15> | | | |
| 3 · Ethe | 3 - Ethernet download function, nateway function and MES interface function \$6 - GT15-GRUS2_GT15-JRUS2_GT15-J711P3225_GT15-J711P3225_GT15-J718P33_GT15-J618T13_ | | | | | | |

*3 : Ethernet download function, gateway function and MES interface function

*4 : Barcode function, FA transparent function, OS installation and project data download *5 : GT15-BS2-9P, GT15-BS4-9S and GT15-BS4-TE

Communication driver

- A communication driver must be installed for each of the connection configuration. Communication drivers for the second and subsequent channels will be installed in the user area.
- Optional function board To use the multi-channel function, an optional function board with expansion memory is necessary. Use the optional function board GT15-QFNB(M) or GT15-MESB48M. GT15-FNB cannot be used.

Mounting units on the GOT side interface <GT15>



The interface can establish a serial connection with connected devices and peripheral devices, such as a barcode reader

Extension unit interface 1

Extension unit interface 2 (GT155 has the extension unit interface 1 only) Up to 3 communication units and optional units can be mounted on

each extension unit interface.

*7 : GT15V-75V4, GT15V-75R1, GT15V-75V4R1, GT15V-75ROUT

*8 GT15-750BUSI GT15-750BUS2L GT15-754BUSI GT15-754BUS2L GT15-75J71LP23-Z, GT15-75J71BR13-Z, GT15-75J61BT13-Z

Mount a unit that occupies two slots on the first stage. However, when any of the following units are used, mount the unit on the first stage, then mount other units on the second and subsequent stages.

•GT15V-75V4, GT15V-75R1, GT15V-75V4R1 and GT15V-75ROUT (Only one of these units can be mounted on the GT1585V or GT1575V.)

The following units must not be stacked on other units. Mount any of them on the first stage

• GT15-75QBUSL, GT15-75QBUS2L, GT15-75ABUSL, GT15-75ABUS2L GT15-75-I711 P23-7 GT15-75-I71BB13-7 GT15-75-I61BT13-7 (GT155 must not be used.)

Instructions for mounting and removing the GT15-CFCD

An extension unit cannot be mounted on a CF card unit. When extension units are mounted, mount the CF card unit on the last stage • When mounting a CF card unit on the extension interface 1 (left), ensure that the number of extension units mounted on the extension interface 2 (right) is smaller than the number on the extension interface 1 (left). Otherwise, the CF card cannot be inserted or removed. \blacklozenge Remove the CF card unit in the designated direction ($\bigtriangleup \mathsf{PULL})$ to prevent damage to the connector.



are occupied.

Calculation of current consumed by units <GT15>

When using multiple units and a barcode reader, the total current consumed by the units and barcode reader must be less than the current that can be supplied by GOT. Design the system using the following values so that the total current is within the range of the current supply capacity of the GOT.

| (1) Current that can be | supplied by the GOT | (2) Current used by each unit a |
|-------------------------|---------------------|--------------------------------------------|
| | Current supply | Unit model |
| GOT model | capacity (A) | GT15-QBUS, GT15-QBUS2, GT15-75QBUSL, GT15 |
| GT1595 | 2.13 | GT15-ABUS, GT15-ABUS2, GT15-75ABUSL, GT15- |
| GT1585 | 1 74 | GT15-RS2-9P |
| (incl. GT1585V) | 1.74 | GT15-RS4-9S |
| GT157 | 0.0 | GT15-RS4-TE |
| (incl. GT1575V) | 2.2 | GT15-RS2T4-9P |
| GT156 | 2.2 | GT15-J71E71-100 |
| GT155 | 1.3 | GT15-J71LP23-25 |
| | | GT15-J71BR13 |
| | | GT15-J61BT13 |
| | | Barcode reader |
| | | GT15-PRN |
| | | GT15V-75V4R1, GT15V-75V4, GT15V- |
| | | |

- GT15V-75ROUT GT15-CFCD GT15-CFEX-C08SET GT15-SOUT GT15-DIO *1 : The current consumed by a single unit is as follows current in terms of multi-channel function, use the
- GT15-QBUS, GT15-QBUS2, GT15-75QBUSL, GT15-75QBUS2L : 0.44A • GT15V-75V4R1 • GT15V-75V4 • GT15V-75B1
- *2 : When using a barcode reader to which the power is supplied from the standard interface, add the current to be used by the barcode reader at 5VDC. (Maximum less than 0.3A)

| lte | em | Description | | | |
|----------------|------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--|--|
| Personal com | nputer | PC/AT compatible machine on which Windows® operates | | | |
| | | Microsoft® Windows®98 Operating System(English, Chinese, Korean, German versions) | Microsoft® Windows® XP Professional Operating System | | |
| 00 | | Microsoft® Windows® Millennium Edition Operating System(English, Chinese, Korean, German versions) | (English, Chinese, Korean, German versions)*1 *2 | | |
| 0S | | Microsoft® WindowsNT® Workstation 4.0 Operating System(English, Chinese, Korean, German versions)*2 | Microsoft [®] Windows [®] XP Home Edition Operating System | | |
| | | Microsoft® Windows® 2000 Professional Operating System(English, Chinese, Korean, German versions)*2 | (English, Chinese, Korean, German versions)*1 *2 | | |
| CPU | | Pentium [®] 200MHz or higher | Pentium II® 300MHz or higher | | |
| Required me | mory | 64MB or more | 128MB or more | | |
| Free hard | For installation | 500MB or more | | | |
| disk space | For operation | 100MB or more | | | |
| Disk drive | | CD-ROM disk drive | | | |
| Display color: | 6 | High color (16 bits) or more | | | |
| Display*3 | | Resolution 800 × 600 dots or more | | | |
| Other | | Internet Explorer version 5.0 or later must be installed. | | | |
| | | Mouse, keyboard, printer and CD-ROM drive that can be used on the above OS | | | |

Administrator authority is required to install OF Designer2 on Windows® XP Professional and Windows® XP Home Edition. *3 : To use the MES interface function, the display must have a resolution of 1024 × 768 dots or more

| | Item | Description | | | | |
|--------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------|--|--|
| Personal co | mputer | PC/AT compatible machine on which Windows® operates | | | | |
| | | Microsoft® Windows®98 Operating System(English, Chinese, Korean, German versions) | 1 | Microsoft® Windows® XP Professional Operating System | | |
| 0 | | Microsoft® Windows® Millennium Edition Operating System(English, Chinese, Korean, German v | versions) (| English, Chinese, Korean, German versions)*3*4 | | |
| 5 | | Microsoft® WindowsNT® Workstation 4.0 Operating System(English, Chinese, Korean, German v | versions)*2 *3 | Microsoft [®] Windows [®] XP Home Edition Operating System | | |
| | | Microsoft® Windows® 2000 Professional Operating System(English, Chinese, Korean, German ve | ersions)*3 (| English, Chinese, Korean, German versions)*3*4 | | |
| PU | | Pentium [®] 200MHz or higher | F | Pentium II® 300MHz or higher | | |
| Required me | emory | 64MB or more | - | 128MB or more | | |
| ree hard | For installation (product only) | 250MB or more (for product operation and manual reference: 400MB or more) | | | | |
| lisk space* | For operation | 200MB or more | | | | |
|)isk drive | | CD-ROM disk drive | | | | |
| Vienley colo | | For GT15 simulator: 65536 colors | | | | |
| Jispiay colo | rs | For GT11 simulator: 256 colors | | | | |
| Display | | Resolution 800 × 600 dots or more (to use full-screen display function: resolution 1024 × 768 dots or more) | | | | |
| | For creation/editing of project data | GT Designer2*5 | | | | |
| | | The following version of GX Simulator is required depending on the CPU to be sim | nulated.*6 | | | |
| | | PLC CPU to be simulated S | Software version | | | |
| | | QCPU (A mode), ACPU, motion controller CPU (A series) V | /ersion 5.A or late | er | | |
| oftware | For upp of CV Simulator | QCPU (Q mode) (excl. Q00J, Q00 and Q01CPU), QnACPU, FXCPU V | /ersion 5.E or late | er | | |
| | For use of GX Simulator | Q00JCPU, Q00CPU, Q01CPU V | /ersion 6.00A or l | ater | | |
| | | Q12PHCPU, Q25PHCPU V | /ersion 6.10L or I | ater | | |
| | | Q12PRHCPU, Q25PRHCPU V | /ersion 6.20W or | later | | |
| | | FX3UC series, FX3U series V | ersion 7.08J or l | ater | | |
| · A concrete | available space is required who | u using GT Designer2, GX Developer and GX Simulator #4 . The following functions are not s | supported | | | |

Windows® XP Professional • Windows® XP Home Edition Administrator authority is also required to use GT Simulator2 on the following operating systems Windows® XP Professional
 Windows® XP Home Edition

| nd barcode reader | | | | | |
|----------------------|------------------|--|--|--|--|
| Consumed current (A) | | | | | |
| -75QBUS2L | 0.275 * 1 | | | | |
| -75ABUS2L | 0.12 | | | | |
| | 0.29 | | | | |
| | 0.33 | | | | |
| | 0.3 | | | | |
| | 0.098 | | | | |
| | 0.224 | | | | |
| | 0.56 | | | | |
| | 0.77 | | | | |
| | 0.56 | | | | |
| | *2 | | | | |
| | 0.09 | | | | |
| -75R1 | 0.2 *1 | | | | |
| | 0.11 | | | | |
| | 0.07 | | | | |
| | 0.15 | | | | |
| | 0.08 | | | | |
| | 0.1 | | | | |
| | | | | | |

| | However, ca | lculation | of |
|----|-------------|-----------|----|
| lb | ove value. | | |

| : 0.9 |
|-------|
| : 0.7 |
| |

: 0.91A

(3) Calculation example

When GT15-J71BR13, GT-RS4-9S (3 units), GT15-J71E71-100 (for gateway function) and a barcode reader (consuming 0.12A) are connected to GT1575



| Current supply capacity of GOT (A) | Total current to be consumed (A) |
|---------------------------------------|--------------------------------------|
| 2.2 | 0.77+0.33+0.33+0.33+0.224+0.12=2.104 |

Since the total current is within the current supply capacity of the GOT, the units can be used.



Function list

| | | | | × | ion *2 | *3 *3 | | | | | | | | Мо | del | | | | | | |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------|-----------------------------------------------|-----------------------|--------------|------------------|------------|
| | | | | oar | nal stallat | sse | ge | | | | | GT15 | | | | | GT11 | | GT | 10*4 | C. |
| Cate | gory | | Function*1 | a l | optio S ins |) je ce | ba | GT1595 | GT1585(V) | GT1575(V) | GT1575 | GT157 | GT1565 | GT1562 | GT155 | GT115 | GT115 | GT115 | GT1030 | GT1020 | Soft(|
| | | | | ctio l | ion C | er r ices | ails | -XTB | -STB | -STB | -VTB | -VNB | -VTB | -VNB | | -Q BD | -Q_BD_ | HS-Q BD | -LBD(W)(2) | -LB□(W)(2) | 100 |
| | | | | un d | Exten | devi | Det | 15" | 12.1" | 10.4" | 10.4" | 10.4" | 8.4" | 8.4" | 5.7 | 5.7" | 5.7" | 5.7" | 4.5" | 3.7" | versi * |
| _ | _ | Bus connection | on | | | | | • | • | | • | • | • | • | • | - | • | _ | | | _ |
| | | CPU direct co | onnection | | | | í l | • | | | • | • | • | • | • | • | _ | | | | |
| | | Computer link | < connection | | | | | | | | • | | | | | | — | | | | |
| 5 | Ę | MELSECNET | T/H connection | | | | P.48~ | | | | • | | ٠ | | | - | - | - | — | — | |
| ratio | | MELSECNET | 7/10 connection | | | | 1 | | | | | | | | | _ | - | _ | — | — | |
| | 2 | CC-Link conn | ection (ID station/via G4) | | | ' | i . | | | | | | • | • | • | Via G4 only | _ | Via G4 only | - | _ | - |
| out | 5 | Ethernet conr | nection | | | | | | | | | | | | | | _ | via C4 only | _ | | |
| 5 | į | Third party PI | C connection | | | | (| | | | • | | • | | • | • | - | | | | |
| ctic | | Microcompute | er connection | | | | | | | | | | | | | | - | | | | - |
| nne | | Temperature | controller connection | | | | i i | | | | • | • | | | | | — | | — | — | - |
| 3 | 3 | Inverter conn | ection | | | | 1 | | | | • | | | | • | | — | | — | — | - |
| | | Servo amplifi | er connection | | | <u> </u> | P.20, 48~ | | | | • | • | • | • | • | • | - | | — | - | - |
| | | | CPU direct connection | | | | 1 | | | | | | | | | | _ | | _ | _ | |
| | | connection | CC-Link (ID station) connection | | | | | | | | | | | | | _ | _ | | _ | | _ |
| | | connection | Ethernet connection | | | | 1 | | | | • | | | | | - | - | | - | | |
| | ≥ | Standard mer | mory capacity | | | | | 9MB | 9MB | 9MB | 9MB | 5MB | 9MB | 5MB | 9MB | 3MB | 3MB | 3MB | 1.5MB | 512KB | 571 |
| | ome | Total memory | / capacity when using | Bender | | CE and | P.18, 52~ | Up to | Up to | Up to | Up to | Up to | Up to | Up to | Up to | _ | _ | _ | | _ | _ |
| | Me | optional mem | ory (standard + optional) | Required | | CF card | L | 57MB | 57MB | 57MB | 57MB | 53MB | 57MB | 53MB | 57MB | _ | | | _ | _ | |
| | | 65536 colors | | | | | | • | • | | | - | • | - | GT1555- | - | - | _ | _ | _ | |
| | | | | | | | | | | | | | | | TBD only | | | | | | |
| | ors | 4096 colors | | | | | | | - | - | — | | | | GT1555- QSBD only | _ | | | _ | - | |
| | 20 | 256 colors | | | | | | _ | _ | _ | _ | GT1575- | _ | _ | _ | GT1155- | GT1155- | GT1155 | _ | | _ |
| | play | | | | | | | | | | | VNB only | | | | QSBD only | Q BDQ/A only | HS-QSBD only | | | |
| | Dis | 16 colors | | | | | l | - | - | - | - | GT1572- VNB_onlv | - | | - | - | - | - | - | - | - |
| | | Monochromo | (black/white) 16 gray scalor | | | | | _ | _ | _ | _ | | _ | _ | GT15F0 | GT1150 | GT11F0 | GT1150 | | | _ |
| | | Monochione | (1 | | | | P.52~ | | | | | | | | QLBD only | QLBD only | QLBDQ/A only | HS-QLBD only | | | |
| + | | Monochrome | (black/white) 2 colors | | | ' | 1 | _ | _ | | - | - | - | - | - | - | _ | | • | • | - |
| | | 1280 × 1024 0 | dots | | | ├ ──── | l . | _ | | | _ | | _ | _ | | _ | | | | | |
| | Resolution | 800 × 600 dot | ts (SVGA) | | | | | - | | | _ | - | - | _ | _ | _ | _ | | _ | | |
| | | | | | | | 1 | | | | | | | - | • | | | | | | |
| | | 640 × 480 dot | ts (VGA) | | | | | _ | - | - | • | | | | GT1555- VTBD only | - | - | - | - | - | |
| 2 | | $320 \times 240 \text{ dot}$ | ts (QVGA) | | | | | — | — | — | | — | — | — | | • | | | — | — | - |
| a l | | 288 × 96 dots | 3 | | | <u> </u> | í | | _ | | — | - | - | _ | - | _ | _ | | | | - |
| Ë | | 160 × 64 dots | 3 | | | | | - | - | | - | - | - | - | - | - | - | | - | | - |
| e | | RS-232 interf | ace | | | <u> </u> | 1 | - | • | | • | • | • | • | • | • | • | | | | - |
| sel | | RS-422 interf | ace | | | | | *5 | *5 | *5 | *5 | *5 | *5 | *5 | - | | — | | GT1030- | GT1020- | - |
| Ma | ~ | BS-422/232 ii | nterface | | | | P.32~ | - | _ | | - | - | _ | _ | _ | _ | _ | | LBD(VV) only | LBD(VV) only | - |
| ard | face | Bus interface | | | | | P.52~ | _ | _ | _ | _ | - | - | _ | _ | _ | • | _ | - | _ | - |
| - | ter | USB interface | 9 | | | | 1 | | | | | | | • | | | | | - | - | |
| | Ē | CF card inter | face | | | | (| | | | • | | | | | | | | — | — | - |
| | ŧ | Optional func | tion board interface | | | L | í | | | | • | • | • | • | • | • | - | | _ | _ | - |
| | ñ | Extension uni | it interface | | | ' | | | | | | | | | | _ | _ | | _ | | _ |
| | | | | | | | P.52~ | 2cn | 2cn | 2cn | 2cn | 2cn | 2cn | 2cn | 1cn | | | | | | |
| | | Video/RGB in | terface | 1 | | 1 | 1 | | | | | | | | | | | | | | _ |
| ľ | | Vertical displa | | | | ļ | | - | GT1585V only | GT1575V only | — | - | - | - | - | - | - | - | - | - | |
| | | | ay | | | | | _ | GT1585V only | GT1575V only — | _ | - | - | - | _ | - | - | _ | - | - | - |
| | | Clock function | ay | | | (Battery) | | - | GT1585V only | GT1575V only | - | - - | - - | - - | - | • | - • | - - | | | - |
| | | Clock function Buzzer output | ay n t | | | (Battery) | P.52~ | - | GT1585V only | GT1575V only — • | - | - • | - • | - • | - • | • | - • | - - | | +9 | - |
| | | Clock function Buzzer output Human senso | ay n t pr | | Dec | (Battery) | P.52~ | - • • | GT1585V only | GT1575V only | - | | - • • | - • • | - | - • • | - • • | | | +9 • | |
| | | Clock function Buzzer output Human senso Printer | ay n t or | | Required | (Battery) Printer unit | P.52~ P.20 | | GT1585V only 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | GT1575V only | - • • | | - • • | | - • • | | | - - - - | | +9 | - |
| | er | Clock function Buzzer output Human senso Printer CF card unit (| ay | | Required | (Battery) Printer unit CF card unit/ CF card unit/ | P.52~ P.20 | | GT1585V only | GT1575V only | - • • • | | | | | | • • • • • • • • • | - • • - - | | | |
| | Other | Clock function Buzzer output Human senso Printer CF card unit (| ay n t or (CF card extension unit) | | Required | (Battery) Printer unit CF card unit/ CF card extension unit Sound | P.52~ P.20 | | GT1585V only 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | GT1575V only | | | | | - • • • | | | - • • - - | | | |
| | Other | Clock function Buzzer output Human senso Printer CF card unit (Sound output | ay | | Required | (Battery) Printer unit CF card unit/ CF card extension unit Sound output unit | P.52~ P.20 | | GT1585V only 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | GT1575V only | | | | | | | | | | | |
| | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input | ay n or (CF card extension unit) :: t/output | | Required Required Required | (Battery) Printer unit CF card unit/ CF card extension unit Sound output unit External input/ | P.52~ P.20 | | GT1585V only | GT1575V only | | | • • • • | • • • • | | | | | | | |
| | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input | ay | | Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card extension unit Sound output unit External input/ output unit | P.52~ P.20 | | GT1555V only | GT1575V only | | • • • • • | • • • • | • • • • | • • • • • | | | | | • *9 • | |
| | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input Video input/R | ay | | Required Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card unit/ Sound output unit External input/ output unit Video/ RGB unit | P.52~ P.20 | | GT1585V only | GT1575V only | | | | | • • • • | | | | | | |
| | Other | Clock function Buzzer outpu Human sensor Printer CF card unit (Sound output External input Video input/R Backlight OFI | ay | | Required Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card extension unit Sound output unit External input/ output unit Video/ RGB unit | P.52~ P.20 P.21 | | GT1585V only | GT1575V only | | - • • • • • | • • • • • • • • • • • • • • • • • • | • • • • • • • • • • • • • • • • • • | • • • • • • • • • • • • • • • • • • | | | | | | |
| | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input/R Backlight OFI Protective str | ay | | Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card extension unit Sound output unit External input/ output unit Video/ RGB unit | P.52~ P.20 P.21 P.38 P.52~ | | GT1585V only | GT1575V only | | | | | | | | | | | |
| | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input Video input/R Backlight OFI Protective strn Boot OS insta | ay | | Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card extension unit Sound output unit Video/ RGB unit (CF card) | P.52~ P.20 P.21 P.38 P.52~ | | GT1585V only | GT1575V only | | - • • • • • • • • • • • • • • • • • • • | | • • • • • • • • • • • • • • • • • • | • • • • • • • • • • • • • • • • • • | | | | | | |
| | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input Video input/R Backlight OFI Protective str Boot OS installatio | ay | | Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card autension unit Sound output unit Video/ RGB unit (CF card) (CF card) | P.52~ P.20 P.21 P.38 P.52~ | | GT1585V only | GT1575V only | | | | | | | | | | | |
| | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input Video input/R Backlight OFI Protective strr Boot OS installatio Project data | ay | | Required Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card unit/ External input/ output unit Video/ RGB unit (CF card) (CF card) (CF card) | P.52~ P.20 P.21 P.38 P.52~ | | GT1585V only | GT1575V only | | | | | | | | | | | |
| unctions | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input Video input/R Backlight OFI Protective strn Boot OS installatio Project data download/upl | ay | | Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card unit/ Sound output unit External input/ output unit Video/ RGB unit (CF card) (CF card) (CF card) | P.52~ P.20 P.21 P.38 P.52~ P.32~ | | GT1585V only | GT1575V only | | | | | | | | | | | |
| hit functions | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input Video input/R Backlight OFI Protective str Boot OS installatio Project data download/upl Resource dat | ay | | Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card output unit External input/ Video/ RGB unit (CF card) (CF card) (CF card) | P.52~ P.20 P.21 P.38 P.52~ P.32~ | | GT1585V only | GT1575V only | | | | | | | | | | | |
| a unit functions | Other | Clock function Buzzer outpu Human senso CF card unit (Sound output External input Video input/R Backlight OFI Protective str Boot OS instal download/upl Resource dat FA transpare | ay | Requirec | Required Required Required | (Battery) Printer unit CF card unit/ CF card Sound output unit External input/ output unit Video/ RGB unit (CF card) (CF card) (CF card) | P.52~ P.20 P.21 P.38 P.52~ P.32~ | | GT1585V only | GT1575V only — — — — — — — — — — — — — — — — — — — | | | | | | | | | | | |
| Main unit functions | Other | Clock function Buzzer outpu Human sensor CF card unit (Sound output External input Video input/R Backlight OFI Protective str Boot OS installatio OS installatio Project data download/upl Resource dat FA transparer Multi-channel | ay | Requirec #2 | Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ Sound output unit Video/ RGB unit (CF card) (CF card) (CF card) (CF card) | P.52~ P.20 P.21 P.38 P.52~ P.32~ P.32~ | | GT1585V only | GT1575V only | | | | | | | | | | | |
| Main unit functions | Other | Clock function Buzzer outpu Human sensor CF card unit (Sound output External input Video input/R Backlight OFI Protective strn Boot OS installatio Project data download/upl Resource dat FA transparen Multi-channel Gateway func | ay | Requirec **2 | Required Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card unit/ Sound output unit External input/ Video/ RGB unit (CF card) (CF card) (CF card) (CF card) | P.52- P.20 P.21 P.38 P.52- P.32- P.32- P.32- P.22 | | GT1585V only | GT1575V only | | | | | | | | | | | |
| Main unit functions | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input/R Backlight OFI Protective str Boot OS installatio Project data Gownload/upl Resource dat FA transparer Multi-channel Gateway func MES interface | ayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayay | Required: | Required Required Required Required Required Required Required Required | (Battery) Printer unit CF card unit CF card unit Sound output unit External input/ output unit (CF card) (CF card) (CF card) (CF card) (CF card) (CF card) | P.52- P.20 P.21 P.38 P.52- P.32- P.32- P.32- P.32- P.22 P.22 | | GT1585V only | GT1575V only | | | | | | | | | | | |
| Main unit functions | Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input Video input/R Backlight OFI Protective str Boot OS installatio Project data download/upl Resource dat FA transpared Multi-channel Gateway func MES interface Base screen | ayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayyy | Required; | Required Required Required Required Required Required | (Battery) Printer unit CF card unit CF card only output unit External input/ output unit (CF card) | P.52- P.20 P.21 P.38 P.52- P.32- P.32- P.32- P.32- P.22 P.23 | | GT1585V only | GT1575V only | | | | | | | | | | | |
| Main unit functions | 1s Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input Video input/R Backlight OFI Protective str Boot OS installatio Project data download/upl Resource dat FA transparer Multi-channel Gateway func MES interfacc Base screen Superimpose | ayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayay | Required; | Required Required Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card unit/ External input/ output unit External input/ Output unit (CF card) (CF card) (CF card) (CF card) (CF card) | P.52- P.20 P.21 P.38 P.52~ P.32- P.32- P.22 P.23 | | GT1585V only | GT1575V only | | | | | | | | | | | |
| Main unit functions | tions Other | Clock function Buzzer outpu Human senso Printer CF card unit (Sound output External input Video input/R Backlight OFI Protective str Boot OS installatio Project data download/upl Resource dat FA transparen Multi-channel Gateway func MES interface Base screen Superimpose Overlap windo | ayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayay | Required: | Required Required Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card unit/ External input/ output unit Video/ RGB unit (CF card) (CF card) (CF card) (CF card) (CF card) | P.52- P.20 P.21 P.38 P.52- P.32- P.32- P.22 P.23 P.22 P.23 | | GT1585V only | GT1575V only | | | | | | | | | | | |
| Main unit functions | fications Other | Clock function Buzzer outpu Human senso CF card unit (Sound output External input Video input/R Backlight OFI Protective strr Boot OS instal download/upl Resource dat FA transparen Multi-channel Gateway func MES interfact Base screen Superimpose Overlap wind Dialog windo | ayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayay | Required %2 | Required Required Required Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card unit/ CF card unit/ Sound output unit External input/ output unit Video/ RGB unit (CF card) (CF card) (CF card) (CF card) (CF card) (CF card) | P.52- P.20 P.21 P.21 P.38 P.52- P.32- P.32- P.32- P.22 P.23 P.23 | | GT1585V only | GT1575V only | | | | | | | | | | | |
| sreen design Main unit functions | becifications Other | Clock function Buzzer outpu Human sensor CF card unit (Sound output External input Video input/R Backlight OFI Protective strn Boot OS installatio OS installatio OS installatio Project data download/upl Resource dat FA transparer Multi-channel Gateway func MES interfacc Base screen Superimpose Overlap windo | ayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayayay | Required | Required Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card unit/ Sound output unit External input/ input/ input/ CF card) (CF card) (CF card) (CF card) (CF card) (CF card) | P.52- P.20 P.21 P.38 P.52- P.32- P.32- P.32- P.32- P.32- P.31 | | GT1585V only | GT1575V only | | | | | | | | | | | |
| Screen design Main unit functions | Specifications Other | Clock function Buzzer outpu Human sensor CF card unit (Sound output External input Video input/R Backlight OFI Protective strr Boot OS installatio OS installatio Project data download/upl Resource dat FA transparer Multi-channel Gateway func MES interfacc Base screen Superimpose Overlap wind Dialog windo | ayayayayayayayayayayayayayay | Required(| Required Required Required Required | (Battery) Printer unit CF card unit/ CF card unit/ CF card unit/ Sound output unit Video/ RGB unit (CF card) | P.52- P.20 P.21 P.38 P.52- P.32- P.32- P.32- P.32- P.32- P.32- P.31 | | GT1585V only | GT1575V only GT1575V only GT1575V only | | | | | | | | | | | |

| | | | Q. | ₩ E | > 00 | | | | | | | | Mo | del | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------|-------------|------------|-----------------|---------|--------|---------|----------|---------|-------|----------|-------|-----------|-------|--------------------|---------|-------------|--------------|----------|
| | | | ard * | al * | * sar | a | | | | | GT15 | | IVIO | uei | 1 | GT11 | | GT | 10*4 | |
| Cata | | Eurotion #1 | | itiona | ces | Jag | 074505 | OTICOLO | 07457500 | OTICZE | OT 15 | OTICOL | OTICO | OTIC | 07145 | | OTAL | OTION | 071000 | GT |
| Cale | gory | Function | ion | do/pa | r ne | s | -XTB | -STB | -STB | -VTB | | -VTB | -VNB | - BD | | -Q_BD_ | HS-Q_BD | -LBD(W)(2) | -LB_(W)(2) | 1000 |
| | | | nct of | tende | svic | etai | XGA | SVGA | SVGA | VGA | VGA | VGA | VGA | VGA/QVGA | QVGA | QVGA | QVGA*4 | | -(// / | Version2 |
| | | | 05 | Ę, ŭ | Óð | ă | 15" | 12.1" | 10.4" | (10.4") | 10.4" | 8.4" | 8.4" | 5.7" | 5.7" | 5.7" | 5.7" | 4.5" | 3.7" | *4 |
| | | Standard tonts Japanese (supporting European languages), Chinese (Simplified), Chinese | | | | | | | • | | • | | • | | | | • | * 10 | ● *10 | |
| | | (Traditional, supporting European languages) Chinese (Simplified) | | Required | | P.31 | | | | | | | | | _ | _ | _ | | _ | |
| | ű | Standard fonts Chinese (Traditional) | | Required | | | • | • | | • | • | | • | | _ | - | - | - | — | • |
| | cat | (optional) Japanese | | Required | | | | | | | | | | | — | - | - | - | — | • |
| | cifi | High-quality font | | | | | • | | | | | | | | | | | | | |
| | Spe | TrueType font | | | | | | | | | | | | | | | | | | |
| | | Windows® font | | | | P.26 | | | | | | | | | | | | | | |
| | | Stroke basic font (extended) | | Required | | | | | | | • | | • | | _ | _ | _ | _ | _ | • |
| | | Stroke font (optional) | | nequireu | | D 19 | | | | | | | | | _ | _ | | _ | _ | |
| | sgu | Screen switching | | | | 1.10 | | | | | | | | | | | | | | |
| | etti | Station No. switching | | | | | • | | • | | | • | | | _ | _ | - | _ | - | • |
| | su | Multilingual support function | | | | P.17 | | | | | | | | | | | | | | |
| | Ĕ | Password | | | | | | | | | | | | | | | | — | | |
| | ő | System information | | | | | | | | | | | | | | | | | | |
| | | Connected device setting | | | | | | | | | • | | | | | | • | • | • | - |
| | | Comment registration | | | | P17.28 | | | | | | | | | | | | | | |
| | | Parts registration | | | | 1.17,20 | • | | | | • | | | | | | | | | |
| | | Data operation function | | | | | | | • | • | | • | | • | | | • | | • | • |
| | | Offset function | | | | | | | | | | | | | | | | | | |
| | | Security function | | | | | • | | | | | | | | | | • | | | |
| | | Operator authentication | | Required | | P.37 | | • | • | | • | | | • | _ | _ | _ | - | - | |
| | | Lamp display | | | | | • | • | • | | • | | • | | | • | • | • | • | • |
| | | Louch switch | | | | | | | | | | | | | | | | | | |
| | | Data list display | | | | | • | | | • | • | | | | | | | - | - | • |
| | | ASCII display/input | | | | | • | • | • | • | • | | • | • | | | • | • | • | • |
| | | Kana-Kanji conversion function | | Required | | | | | | | | | | | — | - | - | — | — | |
| _ | | Clock display | | | | | • | | | | | | | | | | | | | |
| sign | | Comment display | | | | | | | | | | | | | | | | | | |
| des | 5 | Extended alarm monitoring/display | | | (CF card) | P.34 | | | • | | • | | • | | _ | _ | _ | _ | _ | • |
| Sen | ti | Alarm list display | | | (CE cord) | | | | | | | | | | | | | */ | */ | |
| Scre | set | Parts display | | | (CF card) | | | | | | | | | | | | | | | |
| | ject | Parts movement | | | (CF card) | | • | • | • | | • | • | • | | • | • | • | _ | _ | • |
| | å | Panel meter display | | | | | | • | • | | ٠ | | | | • | | | | | • |
| | | Level display | | | | | | | | | | | | | | | | — | — | |
| Careeror Careeror | | | | | | | | | | | | | | | | | | | | |
| | | Historical trend graph*8 | | Required | (CF card) | P.36 | • | • | • | • | • | • | • | | _ | - | - | _ | _ | • |
| | | Line graph | | | | | | | | | | | | | | | | | | |
| | | Statistical graph | | | | | | | | | | | | | | | | | | |
| | | Scatter graph | | | | | • | • | • | • | • | • | • | • | • | • | • | _ | _ | • |
| | | Status observation function | | | | | | | | | | | | | | | | | | |
| | | Extended recipe function | | Required | (CF card) | P.19 | | | • | • | | | | | — | — | - | — | — | • |
| | | Recipe function | | Required | (CF card) | | | | • | | | | | | | | | | | |
| | | Time action function | | | Drinte | | • | | | | | | • | | | | | | | • |
| | | Report function | | Required | CE card | P.20 | | | | | | | | | - | - | - | - | — | |
| | | Hardcopy File saving in CF card | | | CF card | | • | | | • | • | • | • | • | - | - | - | - | - | • |
| | | function Printing on printer | | Required | Printer unit | P.20 | • | • | • | • | • | • | • | • | - | - | - | - | — | • |
| | | Barcode function | | Required | | P.20 | | | | | | | | | | | - | - | — | - |
| | | Sound output function | | Required | Sound | | | | | | | | | | _ | _ | _ | _ | _ | |
| | | | | . roquireu | output unit | | | - | - | - | | - | | - | | | | | | |
| | | External input/output function | | Required | External input/ | P.21 | | • | • | | | | | | _ | _ | _ | _ | _ | _ |
| | | | | | output unit | | | | | | | | | | | | | | | |
| | ē | Operation panel function | | Required | output unit | | | • | • | • | • | • | • | • | - | - | - | - | — | • |
| | đ | Screen call function | | | ,, ou unit | | • | • | • | • | • | • | • | • | • | • | • | | | • |
| | | Operation log function | | Required | CF card | P.37 | | | | | | | | | _ | - | - | - | — | |
| | | Document display function | Required | Required | CF card | P.38 | | | | | | | | | — | — | - | — | — | |
| | | Logging function | | Required | (CF card) | P.36 | | | | | | | | | - | - | - | - | - | |
| | | Project script | | | | D 45 | | | • | | • | | | | | | • | - | - | • |
| | | Screen script | | Required | | P.17 | | | | | | | | | | | | _ | _ | |
| | | System monitor function | | Required | | P.41 | | | | | | | | | | | | _ | _ | - |
| | | | | 121100 | | | - | | | | | | | | | • | | | | |
| 5 | 2 | List editor for A | | Required | | P.39 | | | | | | | | | | GT115 QBDA only | | _ | _ | _ |
| ci to | 5 | List editor for FX | | Required | | | | | | | | | | | | - | | - | — | - |
| - | 3 | Ladder monitor function | Required #2 | Required | (CF card) | P.40 | ٠ | • | • | • | • | • | • | GT1555 | _ | - | - | - | - | - |
| | 5 | Intelligent unit monitor function | | Required | | | • | | • | • | • | • | • | VTBD only | - | - | - | - | - | - |
| - | 0 | Q motion monitor function | | Required | | P.41 | | | | | | | | | _ | _ | _ | _ | | _ |
| 1 | | Network monitor function | | Required | | 1.41 | • | | | | | | | | - | - | - | - | - | - |
| Ň | Ň | CNC monitor function | | Required | | | • | • | • | - | - | - | - | - | - | - | - | - | — | - |
| | | Backup/restoration function | | Required | CF card | P.39 | | | | ٠ | ٠ | ٠ | ٠ | ٠ | - | - | - | - | - | - |
| | | Maintenance time notification function | | | Battery | P.38 | | | | | | | | | - | - | - | - | — | - |

*1: The function details, such as the number of settings and the data storage destination, vary depending on the model.
 *2: The need for an optional function board depends on the model and the hardware version of the GOT main unit. addition, the optional function board depends on the model and the hardware version of the GOT main unit. addition, the optional function board depends on the model and the hardware version of the GOT main unit. addition, the optional function board depends on the model and the hardware version of the GOT main unit. addition, the optional function board depends on the model and the hardware version of the GOT main unit. addition, the optional function board depends on the model and the hardware version of the GOT main unit. So the stended/optional function board depending on conditions of use.
 *4: For details, see Handy GOT (page 42), GT10 (page 43) and GT SoftGOT1000 (page 46).
 *5: The RS-232 interface can be used as an RS-422 interface by connecting an RS-422 conversion unit. addition, the optional function board depending on the function board or the extended/optional function oscillation of use.
 *7: Only user alarms can be used.
 *8: Settings of the logging function are required in order to use the historical trend graph function. In addition, the optional function OS (Logging) must be installed.
 *9: Read from the PLC clock.
 *10: Only Japanese fonts (supporting European languages) can be used.



Product list

Main unit model name



GOT main units

| | Мо | del name | Screen size | Display | Disp (numb | olay colors per of colors) | Power supply | Memory size | Remarks |
|----------|--------|--------------------|---------------------------|---------------------------------------|---------------|-------------------------------|-----------------|----------------|----------------------------------|
| | | GT1595-XTBA | 15" XGA | TET color I CD | (| | 100-240VAC | | |
| | GT1595 | GT1595-XTBD | [1024 × 768 dots] | (high brightness, wide viewing angle) | 65536 colo | irs | 24VDC | 9MB | - |
| | | GT1585V-STBA | [] | TFT color LCD | | | 100-240VAC | | |
| | | GT1585V-STBD | 12 1" SVGA | (high brightness, wide viewing angle) | | | 24VDC | 1 | Applicable for Video/RGB |
| | GT1585 | GT1585-STBA | [800 × 600 dots] | TFT color LCD | 65536 colo | rs | 100-240VAC | 9MB | |
| | | GT1585-STBD | [| (high brightness, wide viewing angle) | | | 24VDC | 1 | - |
| | | GT1575V-STBA | | TFT color LCD | | | 100-240VAC | | |
| | | GT1575V-STBD | 10.4" SVGA | (high brightness, wide viewing angle) | | | 24VDC | 1 | Applicable for Video/RGB |
| | | GT1575-STBA | [800 × 600 dots] | TFT color LCD | 65536 colo | irs | 100-240VAC | 9MB | |
| | | GT1575-STBD | | (high brightness, wide viewing angle) | | | 24VDC | 1 | |
| | 07477 | GT1575-VTBA | | TFT color LCD | 05500 | | 100-240VAC | 0140 | |
| | GI15/ | GT1575-VTBD | | (high brightness, wide viewing angle) | 65536 0010 | rs | 24VDC | 9MB | |
| GT15 | | GT1575-VNBA | 10.4" VGA | | OFC colors | | 100-240VAC | END | - |
| | | GT1575-VNBD | [640 × 480 dots] | TFT color LCD | 256 COIOIS | | 24VDC | | |
| | | GT1572-VNBA | | TET 0D | 10 aniara | | 100-240VAC | END | |
| | | GT1572-VNBD | | TFT COLOF LCD | TO COIDIS | | 24VDC | | |
| | | GT1565-VTBA | | TFT color LCD | SEE26 colo | | 100-240VAC | OMB | |
| | | GT1565-VTBD | 8.4" VGA | (high brightness, wide viewing angle) | 65536 0010 | rs | 24VDC | 9 9 IVID | |
| | GIISO | GT1562-VNBA | [640 × 480 dots] | TET as less LOD | 16 colors | | 100-240VAC | EMD | _ |
| | | GT1562-VNBD | | TFT COLOF LCD | 10 COIOIS | | 24VDC | SIVID | |
| | | GT1555-VTBD | 5.7" VGA [640 × 480 dots] | TFT color LCD | 65536 colo | re | | | |
| | GT155 | GT1555-QTBD | | (high brightness, wide viewing angle) | 03330 0010 | 13 | 24VDC | 9MB | _ |
| | | GT1555-QSBD | 5.7 QVGA | STN color LCD | 4096 colors | S | | | |
| | | GT1550-QLBD | [320 × 240 0015] | STN monochrome LCD | Monochrome (b | black/white) 16 gray scales | | | |
| | | GT1155-QTBDQ (NEW) | | TET color I CD | | | | | Dedicated to Q bus connection |
| | | GT1155-QTBDA | | | | | | | Dedicated to A bus connection |
| | GT1155 | GT1155-QSBD | | | 256 colors | | | | |
| | | GT1155-QSBDQ | | STN color LCD | | | | | Dedicated to Q bus connection |
| GT11 | | GT1155-QSBDA (NEW) | 5.7" OVGA | | | | | | Dedicated to A bus connection |
| a | | GT1150-QLBD | [320 × 240 dots] | | | | 24VDC | 3MB | |
| | GT1150 | GT1150-QLBDQ | [] | STN monochrome LCD | Monochrome (b | black/white) 16 gray scales | | | Dedicated to Q bus connection |
| | | GT1150-QLBDA | | | | | | | Dedicated to A bus connection |
| | Handy | GT1155HS-QSBD | - | STN color LCD | 256 colors | | | | - |
| | GOT | GT1150HS-QLBD | | STN monochrome LCD | Monochrome (b | black/white) 16 gray scales | | | D II I II D0 100 II |
| | | GT1030-LBD NEW | 4.5" | | | 3-color LED | | | Dedicated to RS-422 connection |
| | GT1030 | GT1030-LBD2 NEW | 4.0 | STN monochrome LCD | Monochrome | (green, orange, red) | 24VDC | 1.5MB | Dedicated to RS-232 connection |
| | | GT1030-LBDW NEW | [288 × 96 dots] | | (black/white) | 3-color LED | - | | Dedicated to RS-422 connection |
| | | GT1030-LBDW2 | | | | (white, pink, red) | | | Dedicated to RS-232 connection |
| GT10 | | GT 1020-LBD | | | | 3-color LED | 24VDC | | Dedicated to RS-422 connection |
| | | GT 1020-LBD2 | 2.7" | | M | (green, orange, red) | EVDC | - | Dedicated to RS-232 connection |
| | GT1020 | | [160 × 64 dots] | STN monochrome LCD | wonochrome | | 5000 | 512KB | Dedicated to RS-422FX connection |
| | | | | | (plack/white) | 3-color LED | 24VDC | | Dedicated to RS-422 connection |
| | | | - | | | (white, pink, red) | 5VDC | 1 | Dedicated to RS 400EV occuration |
| | | | 1 | | | | 5000 | | Dedicated to HS-422FX connection |

Communication interface

| Due du et a eme | Madalusana | Constituentierre | | A | Applicat | le model | |
|----------------------------------------|-----------------|---------------------------------------------------------------|-----------------------------------|------|----------|-----------|------|
| Product name | Model name | Specifications | | GT15 | GT11 | Handy GOT | GT10 |
| | GT15-OBUS | Bus connection (1ch) unit standard model | | 0 | _ | _ | _ |
| | 0113-0000 | for QCPU (Q mode)/motion controller CPU (Q series) | | | | | |
| | GT15-OBUS2 | Bus connection (2ch) unit standard model | | | _ | _ | _ |
| | 0113-00032 | for QCPU (Q mode)/motion controller CPU (Q series) | | | | | |
| | GT15-ABUS | Bus connection (1ch) unit standard model | | | _ | _ | _ |
| | GT 13-AD03 | for QnA/ACPU/motion controller CPU (A series) | | | | | |
| | GT15-ABUS2 | Bus connection (2ch) unit standard model | | | _ | _ | _ |
| Bus connection unit | GT13-AD002 | for QnA/ACPU/motion controller CPU (A series) | | | | | |
| | GT15-75OBUSI | Bus connection (1ch) unit thin model*1 | | | _ | _ | _ |
| | GT13-73QB00E | for QCPU (Q mode)/motion controller CPU (Q series) | | | | | |
| | GT15-75OBUS2 | Bus connection (2ch) unit thin model*1 | | | _ | | _ |
| | GTT3-73QB002E | for QCPU (Q mode)/motion controller CPU (Q series) | | | | | |
| | GT15-75ABUSI | Bus connection (1ch) unit thin model*1 | | | _ | _ | _ |
| | GT 13-73ADOOL | for QnA/ACPU/motion controller CPU (A series) | | | | | |
| | GT15-754BUS2 | Bus connection (2ch) unit thin model*1 | | | _ | _ | _ |
| | GT 13-7 SADOOZE | for QnA/ACPU/motion controller CPU (A series) | | | | | |
| | GT15-RS2-9P | RS-232 serial communication unit (D-sub 9-pin (male)) | | 0 | — | - | — |
| Serial communication unit | GT15-RS4-9S | RS-422/485 serial communication unit (D-sub 9-pin (female | e))*2 *3 | 0 | - | - | - |
| Serial communication unit | GT15 DS4 TE | RS-422/485 serial communication unit (terminal block)*2 | | | | _ | |
| | 0113-113-112 | * Usable only when connecting to temperature controllers/i | ndicating controllers via RS-485. | | | | |
| RS 400 conversion unit | GT15-RS2T4-9P | PS-222 > PS-422 conversion unit | RS-422 connector: 9-pin | 0 *4 | - | - | - |
| H3-422 Conversion unit | GT15-RS2T4-25P | | RS-422 connector: 25-pin | ○ *4 | - | - | - |
| MELSECNET/H | GT15-J71LP23-25 | Optical loop unit | | 0 | _ | - | — |
| communication unit | GT15-J71BR13 | Coaxial bus unit | | 0 | _ | - | — |
| CC-Link communication unit | GT15-J61BT13 | Intelligent device station unit (supporting CC-Link version 2 |) | 0 | _ | | _ |
| Ethernet communication unit | GT15-J71E71-100 | Ethernet (100Base-TX/10Base-T) unit | | 0 | - | - | _ |
| *1 : The unit cannot be used stacked o | n other units. | | | | | | |

*1: I he unit cannot be used stacked on other units.
 *2: The unit may not be able to be used depending on the connection destination. See List of Connectable Models (page 51).
 *3: The unit cannot be used when connecting to temperature controllers/indicating controllers via RS-485 (2-wire type).
 *4: The unit cannot be used with the GT155_.

Optional units

| Draduat name | Model name | | Specifications | A | Applicat | ole model | |
|----------------------------|---------------|------|------------------------------------------------------------------------------------------------|------------|-----------------|-----------|------|
| Product name | model name | e | Specifications | GT15 | GT11 | Handy GOT | GT10 |
| Printer unit | GT15-PRN | | USB slave (PictBridge) for printer connection, 1ch *Cable for printer connection (3m) included | 0 | _ | - | - |
| Video input unit | GT15V-75V4 | | For NTSC/PAL input, 4ch | * 5 | — | — | - |
| RGB input unit | GT15V-75R1 | | For analog RGB input, 1ch | * 5 | - | - | - |
| Video/RGB input unit | GT15V-75V4R1 | | For NTSC/PAL (4ch) and analog RGB (1ch) composite input | 0 *5 | _ | - | — |
| RGB output unit | GT15V-75ROUT | | For analog RGB output | * 5 | _ | - | - |
| CF card unit | GT15-CFCD | | For additional CF card port (B drive) on the back of the GOT | 0 | _ | - | _ |
| CF card extension unit | GT15-CFEX-C08 | BSET | For additional CF card port (B drive) at the front of the control panel*6 | 0 | — | - | - |
| Sound output unit | GT15-SOUT | NEW | For sound output | 0 | _ | - | - |
| External input/output unit | GT15-DIO | NEW | For external input/output | 0 | _ | - | _ |
| T Oale OTICOCY and OTICZCY | | | | | | | |

*5 : Only GT1585V and GT1575V are applicable.
 *6 : Includes unit to be installed on the control panel, unit to be installed on the GOT, and connection cable (0.8m).

Software

| | | | Included | products | | | |
|------------------|-----------------|-------------------|--------------------------|----------------------------|---------------------------------|----------------------|-----------------|
| Product name | Model | name | Screen design software | Simulation software | Simple data conversion function | SoftGOT function*7 | Remarks |
| | | | GT Designer2 Ver.2 | GT Simulator2 Ver.2 | GT Converter2 Ver.2 | GT SoftGOT1000 Ver.2 | |
| GT Designer2 | SW2D5C-GTD2-E | (Version upgrade) | 0 | _ | 0 | 0 | English version |
| Version2 | SW2D5C-GTD2-EV | (Version upgrade) | Version upgrade software | e (to upgrade GT Designer | 2 to the latest version) | | English version |
| GT Works2 | SW2D5C-GTWK2-E | (Version upgrade) | 0 | 0 | 0 | 0 | English version |
| Version2 | SW2D5C-GTWK2-E\ | Version upgrade | Version upgrade software | e (to upgrade GT Works2 to | o the latest version) | | English version |
| License key for | GT15-SGTKEY-U | | For USB port | | | | - |
| GT SoftGOT1000*7 | GT15-SGTKEY-P | | For parallel port | | | | - |

*7 : To use GT SoftGOT1000, a license key for GT SoftGOT1000 is necessary for each personal computer.



Product list

Options

| Product name | Model name | | Specifications | - | 0745 | Applicat | le model | OT10 |
|------------------------------------------|------------------------------|---------------------------------------------|-------------------------------------------------|-------------|------------|----------|-----------|----------|
| | GT15-90XI TT | | For GT1595-XTB | | | GIII | Handy GOT | |
| | GT15-80SLTT | | For GT1585V-STB /GT1585-STB | | <u> </u> | - | _ | _ |
| | GT15-70SLTT | | For GT1575-STB *1 | | Õ | - | - | - |
| Backlight | GT15-70VLTT | Backlight | For GT1575V-STB /GT1575-VTB /GT157 | '5-STB 🛛 *2 | Õ | - | - | - |
| J. J | GT15-70VLTN | , j | For GT1575-VNB /GT1572-VNB | | 0 | - | - | - |
| | GT15-60VLTT | | For GT1565-VTB | | 0 | - | - | - |
| | GT15-60VLTN | | For GT1562-VNB | | 0 | - | - | - |
| | GT15-FNB | | (No expansion memory) | | 0 | - | - | - |
| | GT15-QFNB | Optional function board | (No expansion memory) | | 0 | - | - | - |
| | GT15-QFNB16M | * The required optional function board v | varies + 16MB expansion memory | | 0 | - | - | - |
| Optional function board | GT15-QFNB32M | depending on the GOT main unit and | + 32MB expansion memory | | 0 | - | - | - |
| | GT15-QFNB48M | (page 59 and after). | + 48MB expansion memory | | 0 | - | - | - |
| | GT15-MESB48M | | + 48MB expansion memory | | 0 | - | - | - |
| | GT11-50FNB | Optional function board | | | | 0*3 | 0 | - |
| | GT15-90PSCB | | Clear, 5 sheets | | 0 | - | - | _ |
| | GT15-90PSGB | Protective sheet for 15" screen | Clear (frame: white) 5 sheets | | 0 | | _ | |
| | GT15-90PSGW | | Antiglare (frame: white), 5 sheets | | | - | _ | _ |
| | GT15-80PSCB | | Clear 5 sheets | | | - | - | |
| | GT15-80PSGB | | Antiglare, 5 sheets | | 0 | - | - | - |
| | GT15-80PSCW | Protective sheet for 12.1" screen | Clear (frame: white), 5 sheets | | Õ | - | - | - |
| | GT15-80PSGW | | Antiglare (frame: white), 5 sheets | | Ō | - | - | - |
| | GT15-70PSCB | | Clear, 5 sheets | | 0 | - | - | - |
| | GT15-70PSGB | Protective shoot for 10.4" cors | Antiglare, 5 sheets | | 0 | - | - | - |
| | GT15-70PSCW | 1 JULE CIIVE SHEEL IOF TU.4 SCIEEN | Clear (frame: white), 5 sheets | | 0 | - | - | - |
| | GT15-70PSGW | | Antiglare (frame: white), 5 sheets | | 0 | - | - | |
| | GT15-60PSCB | | Clear, 5 sheets | | 0 | - | - | |
| | GT15-60PSGB | Protective sheet for 8.4" screen | Antiglare, 5 sheets | | 0 | <u> </u> | | |
| | GT15-60PSCW | | Clear (frame: white), 5 sheets | | 0 | - | - | - |
| | GT15-60PSGW | | Antiglare (frame: white), 5 sheets | | 0 | - | - | - |
| Protective sheet | GT15-50PSCB | | Clear, 5 sheets | | 0 | - | - | - |
| | GT15-50PSGB | Protective sheet for 5.7" screen | Antiglare, 5 sheets | | 0 | - | - | - |
| | GT15-50PSCW | (for G115) | Clear (frame: white), 5 sheets | | | - | - | - |
| | GT15-50PSGW | | Antigiare (frame: white), 5 sheets | | | - | _ | |
| | GTT1 FORCE | Protective about for 5.7" coreon | Clear, 5 sheets | | | \vdash | _ | |
| | GT11 50PSGB | (for GT11) | Clear (frame: white) 5 sheets | | _ | \vdash | _ | |
| | GT11-50PSGW | | Antiglare (frame: white), 5 sheets | | _ | | - | _ |
| | GT11H-50PSC | Protective sheet for 5.7" screen (for Hand | dv GOT) Clear, 5 sheets | | - | <u> </u> | 0 | _ |
| | GT10-30PSCB | | Clear, 5 sheets | | - | - | _ | 0 |
| | GT10-30PSGB | Protective sheet for 4.5" screen | Antiglare, 5 sheets | | - | - | - | ŏ |
| | GT10-30PSCW | (for GT1030) | Clear (frame: white), 5 sheets | | - | - | - | Ō |
| | GT10-30PSGW | | Antiglare (frame: white), 5 sheets | | - | - | - | 0 |
| | GT10-20PSCB | | Clear, 5 sheets | | - | - | - | 0 |
| | GT10-20PSGB | Protective sheet for 3.7" screen | Antiglare, 5 sheets | | - | - | - | 0 |
| | GT10-20PSCW | (for GT1020) | Clear (frame: white), 5 sheets | | - | - | - | 0 |
| | GT10-20PSGW | | Antiglare (frame: white), 5 sheets | | - | - | - | 0 |
| USB environmentally- | GT15-UCOV | Environmentally-protective cover for USB in | Interface For 15", 12.1", 10.4" and 8.4" | | 0 | - | - | - |
| protective cover | GT11-50UCOV | on main unit front panel (for replacement) | For 5.7" | | 0 | 0 | - | - |
| | GT05-90PCO | Protective cover for oil for 15" scre | reen | | 0 | - | - | - |
| | GT05-80PCO | Protective cover for oil for 12.1" so | creen | | 0 | - | - | - |
| Protective cover for oil** | | Protective cover for oil for 10.4" so | reen | | 0 | <u> </u> | | |
| | GT05-50PCO | Protective cover for oil for 5.4" scr | reen | | 0 | | | <u> </u> |
| Emergency stop owitch guard | | For mis-operation provention of a | | | | \vdash | | <u> </u> |
| Emergency stop switch guard | GT15-90STAND | Stand for 15" type | anorgonoy stop switch | | 0 | t _ | \vdash | |
| | GT15-80STAND | Stand for 12.1" type | | | <u> </u> | - 1 | - | - |
| Stand | GT15-70STAND | Stand for 8.4"/10.4" type | | | ŏ | - | - | - |
| | GT05-50STAND | Stand for 5.7" type | | | Ő | 0 | - | - |
| | GT05-MEM-32MC | 32MB flash ROM | | | Ō | Ō | 0 | - |
| CE cord | GT05-MEM-64MC | 64MB flash ROM | | | 0 | 0 | 0 | - |
| CF card | GT05-MEM-128MC | 128MB flash ROM | | | 0 | 0 | 0 | - |
| | GT05-MEM-256MC | 256MB flash ROM | | | 0 | 0 | 0 | |
| Memory card adapter | GT05-MEM-ADPC | CF card → memory card (TYPE I | I) conversion adapter | | 0 | 0 | 0 | |
| | GT15-70ATT-98 Coming soon | A98 | 85GOT*6 | Ţ | 0 | | - | |
| | | Attachment for 10.4" type | 70GOT-SWS A8GT-70GOT-TB | GT157 | ~ | | | |
| | GT15-70ATT-87 (NEW) | A87 | ABGT-70GOT-SW | | 0 | - | - | - |
| | 07/5 00 177 | A80 | GI-/UGOT-TW A8GT-70GOT-SB | | | | | |
| | G115-60A11-97 | A97 | | ŀ | | | | |
| | G115-60A11-96 | A96 | | ŀ | U | <u> </u> | | |
| Attachment | | | GT-70GOT-EW A77GOT-EL-S3 | | \cap | _ | _ | _ |
| | | Attachment for 8.4" type | GT-70GOT-FB A77GOT-FI → | GT156 | 0 | | | |
| | | A00 | 7GOT-CI-S5 477GOT-L-S5 | ŀ | | | | <u> </u> |
| | GT15-60ATT-77 | | 7GOT-CL-S3 A77GOT-L-S3 | | 0 | _ | _ | _ |
| | | Δ77 | 7GOT-CL A77GOT-L | | \bigcirc | | | |
| | GT15-50ATT-95W (Coming soon) | A95 | 56WGOT | GT155 | 0 | 0 | - | - |
| | GT15-50ATT-85 NEW | Attachment for 5.7" type A85 | 5⊡GOT → | GT115 | ŏ | Τŏ | - | - |
| Detter | GT15-BAT | Battery for backup of clock data a | and maintenance time notification data | | Ő | <u> </u> | - | - |
| Dattery | GT11-50BAT | Battery for backup of clock data, a | alarm history and recipe data (for replacement) | | - | 0 | 0 | ○ *4 |
| *1 : Eunction version B or earlier | | | | | | | • | |

\$1: Function version B or earlier
\$2: Function version C or later
\$3: Excluding GT115_-Q_BDQ and GT115_-Q_BDA
\$4: GT1030 only
\$5: Check if the oil resistant cover can be used in an actual use environment before use. When using the oil resistant cover, the front USB interface and human sensor cannot be used.
\$6: Including the GP250_ and GP260_ manufactured by Pro-face.

Manuals

| Manual title | Contents | Catalog No. |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| GT Designer2 Version2 Basic Operation/Data Transfer Manual <for got1000="" series=""></for> | Basic software installation, basic screen design techniques, and data transfer to a terminal | SH-080529ENG |
| GT Designer2 Version2 Screen Design Manual <for got1000="" series=""></for> | Programming manual, including instruction for objects, specifications | SH-080530ENG |
| GOT1000 Series Connection Manual | System configurations and procedure to create customized cables | SH-080532ENG |
| GOT1000 Series Extended Function/Optional Functions Manual | Information on extended functions and optional functions available to GOT | SH-080544ENG |
| GOT1000 Series Gateway Function Manual | Specifications, system configurations and setting procedures for Gateway function | SH-080545ENG |
| GOT1000 Series MES Interface Function Manual | Specifications, system configurations and setting procedures for MES interface function | SH-080654ENG |
| GT15 User's Manual | GT15 general specification overview, parts and settings, external dimensions, mounting, wiring, optional interfaces | SH-080528ENG |
| GT11 User's Manual | GT11 general specification overview, parts and settings, external dimensions, mounting, wiring, optional interfaces | JY997D17501A |
| Handy GOT User's Manual | Handy GOT general specification overview, parts and settings, external dimensions, wiring, optional interfaces, in addition to explanations of utility, system configurations, and cable fabrication | JY997D20101A |
| GT10 User's Manual | GT10 general specification overview, parts and settings, external dimensions, mounting, wiring, optional interfaces | JY997D24701 |
| GT SoftGOT1000 Version2 Operation Manual | GT SoftGOT1000 screen configuration, functions and operating procedures | SH-080602ENG |
| GT Simulator2 Version2 Operation Manual | GT Simulator2 specifications and operating instructions | SH-080546ENG |
| GT Converter2 Version2 Operation Manual | GT Converter2 operating instructions | SH-080533ENG |

Cables

| | | | Cable_ | Third party | | | Appl <u>icat</u> | le mode | el *2 |
|---------------------|---------------------------------|-------------------------|--------|-----------------|---------------------------------------------------------------------------|------|------------------|-----------|----------|
| F | Product name | Model name | length | products*1 | Application | GT15 | GT11 | Handy GOT | GT10 |
| | | GT15-QC06B | 0.6m | | | | | | |
| | | GT15-QC12B | 1.2m | | For connection between OCBU and COT | | | | |
| | GOT to GOT connection cable | GT15-QC30B | 3m | 0 | For connection between QCPU and GOT | 0 | 0 | - | - |
| Rue connection | GOT-to-GOT connection cable | GT15-QC50B | 5m | | | | | | |
| Bus connection | | GT15-QC100B | 10m |] | | | | | |
| Cable for | Long distance connection | GT15-QC150BS | 15m | | | | | | |
| QCPU (Q mode) | Long-distance connection | GT15-QC200BS | 20m | 1 | For long-distance (13.2m or more) connection between QCPU | | | | |
| | cable for QCPU | GT15-QC250BS | 25m | | and GOT (A9GT-QCNB required) | 0 | 0 | _ | - |
| | GOT-to-GOT long-distance | GT15-QC300BS | 30m | | For long-distance connection between GOT and GOT | | | | |
| | connection cable | GT15-QC350BS | 35m | | | | | | |
| Bus extension co | nnector box | A9GT-QCNB | - | - | Used for QCPU long-distance (13.2m or more) bus connection | 0 | 0 | - | - |
| | | GT15-C12NB | 1.2m | | | | | | |
| | | GT15-C30NB | 3m | | For connection between QnA/ACPU/motion controller CPU | | | _ | - |
| | | GT15-C50NB | 5m | _ | (A series, extension base) and GOT | | - | | |
| | | GT15-AC06B | 0.6m | | | | | | |
| | | GT15-AC12B | 1.2m | - | For connection between OnA/ACPU/motion controller CPU | | | | |
| | Large CPU | GT15-AC30B | 3m | 0 | (A series extension base) and A7GT-CNB | 0 | 0 | - | - |
| | extension cable | GT15-AC50B | 5m | | | | | | |
| | | GT15 A270C12B S1 | 1.0m | | For connection between motion controller CPU (A series, main | | | | |
| | | GT15-A370C12B-31 | 0.5 | 0 | For connection between motion controller CFO (A series, main | 0 | 0 | - | - |
| | | GT15-A370C25B-ST | 2.5m | | | | | | |
| | | GT15-A3/0C12B | 1.2m | 0 | For connection between motion controller CPU (A series, main | | 0 | - | - |
| | | GT15-A3/0C25B | 2.5m | | base) and A/G1-CNB | | | | |
| | | GT15-A1SC07B | 0.7m | | For connection between OnAS/AnSCPI I/motion controller CPI | | | | |
| Bus connection | Small CPU extension cable | GT15-A1SC12B | 1.2m | 0 | (A series) and GOT | | | _ | - |
| cable for | | GT15-A1SC30B | 3m | | | | | | |
| QnA/ACPU/motion | | GT15-A1SC50B | 5m | 0 | For connection between QnAS/AnSCPU and GOT | 0 | 0 | - | - |
| controller | | GT15-A1SC05NB | 0.45m | | For connection between QnAS/AnSCPU/motion controller CPU | | | | |
| CPU (A series) | Small CPU extension cable | GT15-A1SC07NB | 0.7m | 0 | (A series) and A7GT-CNB | | | - | - |
| 01 0 (7100.100) | | GT15-A1SC30NB | 3m | | (······) =····· | | | | |
| | | GT15-A1SC50NB | 5m | 0 | For connection between QnAS/AnSCPU and A7GT-CNB | 0 | 0 | _ | - |
| | | GT15-C100EXSS-1 | 10.6m | | For long-distance (13.2m or more) connection between | | | | |
| | Small CPI Llong distance | | | | QnAS/AnSCPU/motion controller CPU (A series) and GOT | | | | |
| | connection cable | GT15-C200EXSS-1 | 20.6m | 0 | For long-distance (13.2m or more) connection between | 0 | 0 | - | - |
| | | | | | A7GT-CNB and GOT | | | | |
| | | GT15-C300EXSS-1 | 30.6m | | * Set of GT15-EXCNB and GT15-C BS | | | | |
| | | GT15-C07BS | 0.7m | | | | | | |
| | GOT-to-GOT | GT15-C12BS | 1.2m | | | | | | |
| | connection cable | GT15-C30BS | 3m | | For connection between GOT and GOT | | | - | - |
| | | GT15-C50BS | 5m | | | | | | |
| | | GT15-C100BS | 10m | | | | | | |
| | GOT-to-GOT long-distance | GT15-C200BS | 20m | 0 | For connection between GOT and GOT | | | _ | _ |
| | connection cable | GT15-C300BS | 30m | | | | | | |
| | A0J2HCPU connection cable | GT15-J2C10B | 1m | 0 | For connection between power supply unit (A0./2-PW) for A0./2HCPU and GOT | 0 | 0 | _ | _ |
| Bus connector co | nversion box | A7GT-CNB | | _ | Used for OnA/ACPU long-distance (13 2m or more) bus connection | 0 | | _ | _ |
| Buffer circuit cabl | | GT15-EYCNB | 0.5m | 0 | Usable as GT15-C EXSS-1 in combination with GT15-C BS | | | _ | _ |
| Duller circuit cabi | | GT01 C20P4 25P | 0.0m | | East connection between On A/ACRU/motion controller CRU | | | | |
| | | GT01-030114-231 | 10m | - | (A series)/FXCPU (D-sub 9-pin connector) and GOT | | | *3 | |
| | | GT01-0100R4-25P | 20m | | For connection between FA-CNV CBL and GOT | 0 | 0 | | - |
| | | GT01-C200R4-25F | 2011 | - | For connection between serial communication unit and GOT | | | - | |
| | Computer link | GT01-C300H4-23F | 30111 | | For connection between AJ65B1-G4-S3 and GO1 | | | | |
| | | GT10-030H4-25P | 3m | 4 | For connection between QnA/FXCPU (D-sub 25-pin connector) | | | | |
| RS-422 cable | connection cable | GT10-CT00H4-25P | i Um | - 1 | and GOT | - | - | - | 0 |
| | | GT10-C200H4-25P | 20m | - | (AJ71QC24(N)-R4) and GOT | | | | |
| | | GT10-C300H4-25P | 30m | | | | | | <u> </u> |
| | | GT09-C30R4-6C | 3m | 4 | | | | | |
| | Computer link connection | GT09-C100R4-6C | 10m | 0 | For connection between serial communication unit and GOT | | | _ | _ |
| | cable | GT09-C200R4-6C | 20m | | For connection between computer link unit and GOT | | | | |
| | | GT09-C300R4-6C | 30m | | | | | | |
| 1 · Itome lietod a | hove are developed by Mitsubish | i Electric System & Ser | | TD and cold thr | | | | | |

*1: Items listed above are developed by Mitsubishi Electric System & Service Co., LTD., and sold through your local sales office.
 *2: The applicable connection configuration and cable vary depending on the GOT main unit. For more details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.
 *3: The cable can be used when the connector conversion box for the Handy GOT is used.



Product list

Cables

| | | | Cable | Third party | | A | pplicab | ole mod | lel *2 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|-----------|--------|
| P | roduct name | Model name | length | products *1 | Application | GT15 | GT11 | Handy GOT | GT1 |
| BS-422 cable | FXCPU direct connection cable FX communication function | GT01-C10R4-8P GT01-C30R4-8P GT01-C100R4-8P GT01-C200R4-8P GT01-C300R4-8P | 1m 3m 10m 20m 30m | | For connection between FXCPU (MINI-DIN 8-pin connector) and GOT | 0 | 0 | - | _ |
| 110 422 Gable | extension board connection cable | GT10-C10R4-8P GT10-C30R4-8P GT10-C100R4-8P GT10-C200R4-8P (VEV) GT10-C300R4-8P | 1m 3m 10m 20m 30m | | For connection between FXCPU communication function extension board and GOT | _ | _ | - | 0 |
| | | GT01-C30R2-6P | 3m | _ | For connection between QCPU and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin) Ear connection between personal computer (occord design pethyara) (D sub- | 0 | 0 | - | _ |
| | QCPU direct connection cable Data transfer cable | | | | 9-pin, female) and GOT (MINI-DIN 6-pin, female) For connection between QCPU and GOT | - | - | 0 | 0 |
| | | GT10-C30H2-6P GT11H-C30R2-6P | 3m 3m | _ | For connection between GOT and GOT For connector conversion box between QCPU and Handy GOT | - | | - | +- |
| RS-232 cable | FX communication function extension board connection cable, FX communication function adapter connection cable, Data transfer cable | GT01-C30R2-9S | Зm | _ | For connection between FXCPU communication function extension board (D-sub 9-pin connector) and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin) For connection between FXCPU communication function adapter (D-sub 9-pin connector) and GOT For connection between personal computer (screen design software) (D-sub 9-pin, female) and GOT (D-sub 9-pin, female) | 0 | 0 | _ | - |
| | FX communication function adapter connection cable, Data transfer cable | GT01-C30R2-25P | 3m | _ | For connection between FXCPU communication function adapter (D-sub 25-pin connector) and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin) For connection between personal computer (screen design software) (D-sub 25-pin, male) and GOT (D-sub 9-pin, female) | 0 | 0 | - | - |
| | Computer link connection cable | GT09-C30R2-9P GT09-C30R2-25P | 3m 3m | 0 | For connection between serial communication unit and GOT For connection between computer link unit and GOT | 0 | 0 | - | - |
| Connector con | version box for Handy GOT | GT11H-CNB-37S | - | - | Converts D-sub 37-pin connector to terminal block and D-sub 9-pin connector | - | - | 0 | - |
| External | FA device, power supply and | GT11H-C30-37P GT11H-C60-37P GT11H-C100-37P | 3m 6m 10m | _ | For connection between FA device connection relay cable and GOT | _ | - | 0 | - |
| cable | cable | GT11H-C30 GT11H-C60 GT11H-C100 | 3m 6m 10m | _ | For connection between FA device, power supply and operation switches and GOT | - | _ | 0 | - |
| FA device | RS-422, power supply and | GT11H-C15R4-8P | 1.5m | - | For connection between FXCPU and GOT For connection between power supply and operation switches and GOT | - | _ | 0 | - |
| connection relay cable | cable | GT11H-C15R4-25P | 1.5m | _ | For connection between A/QnACPU and GOT For connection between power supply and operation switches and GOT | - | - | 0 | - |
| | RS-232, power supply and operation switch connection cable | GT11H-C15R2-6P | 1.5m | _ | For connection between QCPU and GOT For connection between power supply and operation switches and GOT | - | | 0 | - |
| External I/O un | it connection conversion cable | GT15-C30HTB | 0.3m | 0 | For connection between GOT1000 (external I/O unit) and GOT-A900 external I/O interface unit connection cable (A8GT-C05TK/A8GT-C30TB/user-fabricated cable) | 0 | | - | - |
| | RS-232/USB conversion adapter for data transfer | GT10-RS2TUSB-5S | _ | | For connection between personal computer (USB) and GOT (RS-232) (Adapter and personal computer are connected with GT09-C30USB-5P.) | - | - | - | 0 |
| USB cable | Data transfer cable | GT09-C30USB-5P | 3m | 0 | For connection between personal computer and GOT For connection between QCPU (USB miniB) and personal computer (GT SoftGOT1000) | 0 | 0 | 0 | 0 |
| *1 : Itoms listed | above are developed by Mitsubishi | Electric System & Service | | and cold t | For connection between printer and GOT (printer unit) | 0 | | - | |

*1: Items listed above are developed by Mitsubsin Electric System & Service Co., LI D., and sold through your local sales once.
#2: The applicable connection configuration and cable vary depending on the GOT main unit. For more details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.

Cables for third party FA devices

| - | | ., | | | | _ | | | |
|--------|---------------------------------------------------------------|--------------------|--------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------|-----------|------|
| | | | Cable | Third party | | A | Applicable mode | | |
| | Product name | Model name | length | products *1 | GOT connection destination | GT15 | GT11 | Handy GOT | GT10 |
| | Cable for OMRON PLC | GT09-C30R20101-9P | 3m | | PLC CPU: CQM1/CQM1H/CS1/CJ1/CV500/CV1000/CV2000/CVM1 Serial communication unit: CS1W-SCU21/CJ1W-SCU41 Communication board: C200HW-COM02/COM06/COM06 Serial communication board: CQM1-SCB41/CS1W-SCB41/CS1W-SCB21 | | | | |
| | | GT09-C30R20102-25S | 3m | 1 | Connection cable: CQM1-CIF01 | | | | |
| | | GT09-C30R20103-25P | 3m | 1 | Base mount type host link unit: C500H-LK201-V1 | | | | |
| | | GT09-C30R21101-6P | 3m | 1 | PLC CPU: KV-700/1000 | | | | |
| | Cable for | GT09-C30R21102-9S | 3m | 1 | Multi-communication unit: KV-L20/L20R port 1 | | | | |
| | KEYENCE PLC | GT09-C30R21103-3T | 3m | | Multi-communication unit: KV-L20/L20R port 2 | | | | |
| | | GT09-C30R20601-15P | 3m | | | PLC CPU: JW-22CU/70CUH/100CUH/100CU | | | |
| | Cable for SHARP PLC | GT09-C30R20602-15P | 3m | | PLC CPU: JW-32CUH/33CUH | | | | Í |
| | Cable for JTEKT (former Toyoda Machine Works) PLC | GT09-C30R21201-25P | 3m | | RS-232/RS-422 converter: TXU-2051 | | | | |
| | Cable for Shinko Technos digital indicating controller NEW | GT09-C30R21401-4T | 3m | | Digital indicating controller: FCR-100/FCD-100/FCR-23A/PC-900/FIR series | | | | |
| | Cable for | GT09-C30R20501-9P | 3m | | PLC CPU: T2E | | | | |
| | TOSHIBA PLC | GT09-C30R20502-15P | 3m | | PLC CPU: T2N | | | | |
| RS-232 | Cable for | CT00 C20D20401 15D | 2m | | PLC CPU: H-4010/H series board type/EH-150 series | 0 | | *3 | - |
| cable | Hitachi Industrial | G109-C30H20401-15P | 3111 | | Intelligent serial port module: COMM-H/COMM-2H | | | | |
| | Equipment Systems PLC | GT09-C30R20402-15P | 3m | | PLC CPU: H-4010/EH-150 series | | | | |
| | Cable for Hitachi PLC NEW | GT09-C30R21301-9S | 3m | | Communication module: LQE560/LQE060/LQE160 | | | | |
| | Cable for Fuji Electric | | | 1 | RS-232C interface card: NV1L-RS2 | | | | |
| | FA Components & | GT09-C30R21003-25P | 3m | | RS-232C/485 interface capsule: FFK120A-C10 | | | | |
| | Systems PLC NEW | | | | General interface module: NC1L-RS2/FFU120B | | | | |
| | | GT09-C30R20901-25P | 3m | 1 | RS-422→232 conversion adapter: AFP8550 | | | | |
| | Cable for | | 0 | 1 | PLC CPU: FP2/FP2SH/FP10(S)/FP10SH/FP-M | | | | |
| | Matsushita Electric | G109-C30H20902-9P | ЗШ | | Computer communication unit: AFP2462/AFP3462/AFP5462 | | | | |
| | Works PLC | GT09-C30R20903-9P | 3m | 1 | PLC CPU: FP1-C24C/C40C | | | | |
| | | GT09-C30R20904-3C | 3m | 1 | PLC CPU: FP1-C16CT/C32CT | | | | |
| | | GT09-C30R20201-9P | 3m | 1 | PLC CPU: PROGIC-8/MP-920/MP-930 | | | | |
| | | GT09-C30R20202-15P | 3m | 1 | PLC CPU: PROGIC-8 | | | | |
| | Cable for | GT09-C30R20203-9P | 3m | 1 | PLC CPU: CP-9300MS MEMOBUS module: CP-217F (when connected to CN1) | | | | |
| | Yaskawa Electric PLC | GT09-C30R20204-14P | 3m | 1 | PLC CPU: MP-940 | | | | |
| | Taskawa Electric PLC | GT09-C30R20205-25P | 3m | | MEMOBUS module: CP-217IF (when connected to CN2) Yokogawa Electric personal computer module: LC01-0N/LC02-0N | | | | |

Cables for third party FA devices

| Р | roduct nan | | Model name | Cable length | Third party products *1 | GOT connection destination | GT15 | GT11 | Handy GOT | ы GT10_ |
|-----------------|--------------------------------------------------------------------------------------------------|-------------|--------------------------------------------|-----------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------|------|-----------|------------|
| | | | GT09-C30R20301-9P | 30R20301-9P 3m | | CPU port/D-sub 9-pin conversion cable: KM10-0C | - 4115 | arr | | |
| RS-232 cable | Cable for Yokogawa Electric PLC Cable for Allen-Bradley PLC Cable for SIEMENS PLC | | GT09-C30R20302-9P | 3m | | Personal computer module: F3LC11-1N/F3LC11-1F/F3LC12-1F/F3LC11-2N Converter: ML2- PLC CPU: SL500 series Converter: 1761-NET-AIC | | 0 | *3 | - |
| | | | GT09-C30R20304-9S | 3m | | | | | | |
| | | | GT09-C30R20701-9S | 3m | 0 | | | | | |
| | | | | | | | _ | | | |
| | | | GT09-C30R20801-9S | 3m | | HMI adapter | | | | |
| | | | GT09-C30R40101-9P | 3m | | PLC CPU: CV500/CV1000/CV2000/CVM1 | | | | |
| | Cable for | | GT09-C100R40101-9P | 10m | | Serial communication unit: CJ1W-SCU41 | | | | |
| | | | GT09-C200R40101-9P | 20m | | Serial communication board: CQM1-SCB41/CS1W-SCB41 | | | | |
| | | | GT09-C30R40102-9P | 3m | | | | | 1 | |
| | | | GT09-C100R40102-9P | 10m | | Base mount type host link unit: C200H-LK202-V1/C500H-LK201-V1 | | | | |
| | OMRON PL | С | GT09-C200R40102-9P | 20m | | Communication board: C200HW-COM03/COM06 | | | | |
| | | | GT09-C300R40102-9P | 30m | | | | | | |
| | | | GT09-C100R40103-5T | 10m | | | | | | |
| | | | GT09-C200R40103-5T | 20m | | Communication board: CP1W-CIF11 | | | | |
| | | | GT09-C300R40103-5T | 30m | | | | | | |
| | Cable for KEYENCE PLC | | GT09-C30R41101-5T | 3m 10m | | Multi-communication unit: KV-L20/L20R port 2 | | | | |
| | | | GT09-C200R41101-5T | 20m | | | | | | |
| | | | GT09-C300R41101-5T | 30m | | | | | | |
| | | | GT09-C30R40601-15P | 3m | | | | | | |
| | | | GT09-C100R40601-15P | 10m | | PLC CPU: JW-22CU/70CUH/100CUH/100CU | | | | |
| | | | GT09-C300R40601-15P | 30m | | | | | | |
| | | | GT09-C30R40602-15P | 3m | | | 1 | | | |
| | Cable for | | GT09-C100R40602-15P | 10m | | PLC CPU: JW-32CUH/33CUH | | | | |
| | SHARP PLC | ; | GT09-C200R40602-15P GT09-C300B40602-15P | 20m 30m | | | | | | |
| | | | GT09-C30R40603-6T | 3m | | | | | | |
| | | | GT09-C100R40603-6T | 10m | | Link unit: JW-21CM/10CM/ZW-10CM | | | | |
| | | | GT09-C200R40603-6T | 20m | | | _ | | | |
| | | | GT09-C300R40603-61 GT09-C30B41201-6C | 30m 3m | | | | | | |
| | Cable for JT | EKT | GT09-C100R41201-6C | 10m | | PLC CPU: PC3J/PC3JL | | | Í | |
| | (former Toyoda Machine Works) PLC | | GT09-C200R41201-6C | 20m | | Communication module: PC/CMP2-LINK | | 0 | *3 | |
| | Wachine Works) T LO | | GT09-C300R41201-6C | 30m | | PLC CPU: T2/T3/T3H/model3000(S3) | | | | |
| | Cable for TOSHIBA PLC | | GT09-C100R40501-15P | 10m | | | | | | |
| | | | GT09-C200R40501-15P | 20m | | | | | | |
| | | | GT09-C300R40501-15P | 30m | | PLC CPU: T2E/model2000(S2) | | | | |
| | | | GT09-C30R40502-6C | 3m 10m | | | | | | _ |
| | | | GT09-C200R40502-6C | 20m | | | | | | |
| RS-422 | | | GT09-C300R40502-6C | 30m | | | | | | |
| cable | | | GT09-C30R40503-15P | 3m | | | | | | |
| | | | GT09-C200R40503-15P | 20m | | PLC CPU: T2N | | | | |
| | | | GT09-C300R40503-15P | 30m | | | | | | |
| | Cable for | | GT09-C30R40401-7T | 3m | | | | | | |
| | Hitachi Industrial | | GT09-C100R40401-7T | 10m | | Intelligent serial port module: COMM-H/COMM-2H | | | | |
| | Equipment S | Systems PLC | GT09-C300R40401-7T | 30m | | | | | | |
| | | | GT09-C30R41301-9S | 3m | | | | | 1 | |
| | Cable for | | GT09-C100R41301-9S | 10m | | PLC CPU: LQP510 | | | | |
| | HITACHI PLC | NEW | GT09-C200R41301-9S | 20m 30m | | Communication module: LQE565/LQE165 | | | | |
| | Oshla (se Evil Electric | | GT09-C30R41001-6T | 3m | | | | | | |
| | FA Compon | ents & | GT09-C100R41001-6T | 10m | | RS-232C/485 interface capsule: FFK120A-C10 | | | | |
| | Systems PL | C NEW | GT09-C200R41001-6T | 20m | | General interface module: NC1L-RS4/FFU120B | | | | |
| | | | GT09-C30R40201-9P | 30m 3m | | | | | | |
| | | | GT09-C100R40201-9P | 10m | | MEMOBUS module: JAMSC-120NOM27100/JAMSC-JE612 | | | | |
| | | | GT09-C200R40201-9P | 20m | | | | | | |
| | Cable for | actric PLC | GT09-C300R40201-9P | 30m | | | | | | |
| | | | GT09-C100R40202-14P | 10m | | | | | | |
| | | | GT09-C200R40202-14P | 20m | | PLC CPU: MP940 | | | | |
| | | | GT09-C300R40202-14P | 30m | | | | | | |
| | | | G109-C30R40301-61 | 3m 10m | | | | | | |
| | | PLC. | GT09-C200R40301-6T | 20m | | Personal computer link module: F3LC11-2N | | | | |
| | | | GT09-C300R40301-6T | 30m | | | | | | |
| | | | GT09-C30R40302-6T | 3m | | | | | | |
| | | | GT09-C100H40302-61 GT09-C200B40302-6T | 10m 20m | | Personal computer link module: LC02-0N | | | | |
| | Cable for | | GT09-C300R40302-6T | 30m | | | | | | |
| | Electric | | GT09-C30R40303-6T | 3m | | | | | | |
| | | | GT09-C100R40303-6T | 10m | | Temperature controller: GREEN series | | | | |
| | | Temperature | GT09-C200H40303-6T | 20m 30m | | | | | | |
| | | controller | GT09-C30R40304-6T | 3m | | | | | | |
| | | | GT09-C100R40304-6T | 10m | | Temperature controller: UT2000 series | | | | |
| | | | GT09-C200R40304-6T | 20m | | | | | | I |
| | | | G100 00001110004-01 | 0011 | | | | | | 1 |

*1 : Items listed above are developed by Mitsubishi Electric System & Service Co., LTD., and sold through your local sales office.
 *2 : The applicable connection configuration and cable vary depending on the GOT main unit. For more details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.
 *3 : The RS-422 cables less than 10m and the RS-232 cable less than 3m can be used when the connector conversion box for the Handy GOT is used.





Memo

WARRANTY

Please confirm the following product warranty details before using this product.

1. Gratis Warranty Term and Gratis Warranty Range

If any faults or defects (hereinafter "Failure") found to be the responsibility of Mitsubishi occurs during use of the product within the gratis warranty term, the product shall be repaired at no cost via the sales representative or Mitsubishi Service Company. However, if repairs are required onsite at domestic or overseas location, expenses to send an engineer will be solely at the customer's discretion. Mitsubishi shall not be held responsible for any re-commissioning, maintenance, or testing on-site that involves replacement of the failed module.

[Gratis Warranty Term]

The gratis warranty term of the product shall be for one year after the date of purchase or delivery to a designated place. Note that after manufacture and shipment from Mitsubishi, the maximum distribution period shall be six (6) months, and the longest gratis warranty term after manufacturing shall be eighteen (18) months. The gratis warranty term of repair parts shall not exceed the gratis warranty term before repairs.

[Gratis Warranty Range]

(1) The range shall be limited to normal use within the usage state, usage methods and usage environment, etc., which follow the conditions and precautions, etc., given in the instruction manual, user's manual and caution labels on the product.

- (2) Even within the gratis warranty term, repairs shall be charged for in the following cases.
- 1. Failure occurring from inappropriate storage or handling, carelessness or negligence by the user. Failure caused by the user's hardware or software design.
- 2. Failure caused by unapproved modifications, etc., to the product by the user.
- 3. When the Mitsubishi product is assembled into a user's device, Failure that could have been avoided if functions or structures, judged as necessary in the legal safety measures the user's device is subject to or as necessary by industry standards, had been provided.
- 4. Failure that could have been avoided if consumable parts (battery, backlight, fuse, etc.) designated in the instruction manual had been correctly serviced or replaced.
- 5. Failure caused by external irresistible forces such as fires or abnormal voltages, and Failure caused by force majeure such as earthquakes, lightning, wind and water damage.
- 6. Failure caused by reasons unpredictable by scientific technology standards at time of shipment from Mitsubishi.
- 7. Any other failure found not to be the responsibility of Mitsubishi or that admitted not to be so by the user.

2. Onerous repair term after discontinuation of production

 Mitsubishi shall accept onerous product repairs for seven (7) years after production of the product is discontinued. Discontinuation of production shall be notified with Mitsubishi Technical Bulletins, etc.
 Product supply (including repair parts) is not available after production is discontinued.

3. Overseas service

Overseas, repairs shall be accepted by Mitsubishi's local overseas FA Center. Note that the repair conditions at each FA Center may differ.

4. Exclusion of loss in opportunity and secondary loss from warranty liability

Regardless of the gratis warranty term, Mitsubishi shall not be liable for compensation to damages caused by any cause found not to be the responsibility of Mitsubishi, loss in opportunity, lost profits incurred to the user by Failures of Mitsubishi products, special damages and secondary damages whether foreseeable or not, compensation for accidents, and compensation for damages to products other than Mitsubishi products, replacement by the user, maintenance of on-site equipment, start-up test run and other tasks.

5. Changes in product specifications

The specifications given in the catalogs, manuals or technical documents are subject to change without prior notice.

6. Product application

- (1) In using the Mitsubishi graphic operation terminal, the usage conditions shall be that the application will not lead to a major accident even if any problem or fault should occur in the graphic operation terminal device, and that backup and fail-safe functions are systematically provided outside of the device for any problem or fault.
- (2) The Mitsubishi graphic operation terminal has been designed and manufactured for applications in general industries, etc. Thus, applications in which the public could be affected such as in nuclear power plants and other power plants operated by respective power companies, and applications in which a special quality assurance system is required, such as for Railway companies or Public service purposes shall be excluded from the graphic operation terminal applications.

In addition, applications in which human life or property that could be greatly affected, such as in aircraft, medical applications, incineration and fuel devices, manned transportation equipment for recreation and amusement, and safety devices, shall also be excluded from the graphic operation terminal range of applications.

However, in certain cases, some applications may be possible, providing the user consults the local Mitsubishi representative outlining the special requirements of the project, and providing that all parties concerned agree to the special circumstances, solely at our discretion.

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Mitsubishi Graphic Operation Terminal

Precautions for Choosing the Products

This catalog explains the typical features and functions of the GOT1000 series HMI and does not provide restrictions and other information on usage and module combinations. When using the products, always read the user's manuals of the products.

Mitsubishi will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; machine damage or lost profits caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi; damages to products other than Mitsubishi products; and to other duties.

🚹 For safe use

- To use the products given in this catalog properly, always read the related manuals before starting to use them.
- The products within this catalog have been manufactured as general-purpose parts for general industries and have not been designed or manufactured to be incorporated into any devices or systems used in purpose related to human life.
- Before using any product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi.
- The products within this catalog have been manufactured under strict quality control. However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

| Country/Region | Sales office | Tel/Fax |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| USA | Mitsubishi Electric Automation Inc. 500 Corporate Woods Parkway Vernon Hills, IL 60061, USA | Tel : +1-847-478-2100 Fax : +1-847-478-0327 |
| Brazil | MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda. Av.Paulista, 1.439 - Edificio Mario Wallace S.Cochrane 7 andar - Conj.72 e 74 - Bairro Bela Vista - Sao Paulo / SP, Brazil | Tel : +55-11-3285-1840 Fax : +55-11-3284-8848 |
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| Spain | Mitsubishi Electric Europe B.V. Spanish Branch Carretera de Rubi 76-80 08190 Sant Cugat del Valles, Barcelona, Spain | Tel : +34-93-565-3131 Fax : +34-93-589-1579 |
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| Thailand | Mitsubishi Electric Automation (Thailand) Co., Ltd. Bang-Chan Industrial Estate No.111, Soi Serithai 54, T.Kannayao, A.Kannayao, Bangkok 10230, Thailand | Tel : +66-2-906-3238 Fax : +66-2-906-3239 |
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| India | Messung Systems Pvt, Ltd. Electronic Sadan III Unit No15, M.I.D.C Bhosari, Pune-411026, India | Tel : +91-20-2712-3130 Fax : +91-20-2712-8108 |
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