

GT25 Series

GT2715 - X T B A S

| Code | Screen Size | Code | Resolution | Code | Display Type | Code | Frame Color | Code | Power Supply | Code | Communication Interface |
|------|------------------|------|---------------------------------|------|----------------|------|-------------|------|--------------|-----------|--|
| 15 | 15" | WX | WXGA | T | TFT Color | B | Black | A | 100-240VAC | None (*1) | Ethernet, RS-422/485, or RS-232, depending on model |
| 12 | 12.1" | X | XGA | M | TFT monochrome | W | White | D | 24VDC | S1 (*1) | RS-232 and RS-422/485 interfaces, or RS-422 interface only |
| 12F | 12.1" Open Frame | S | SVGA | | | S | Silver | L | 5VDC | S2 (*1) | Two RS-232 interfaces |
| 10 | 10.4" or 10.1" | V | VGA | | | N | No Frame | | | -GF (*2) | CC-Link IE Field Network communication unit set |
| 10F | 10.4" Open Frame | P | 320 x 128 dots | | | | | | | | |
| 08 | 8.4" | R | 480 x 272 dots | | | | | | | | |
| 08F | 8.4" Open Frame | Q | 320 x 240 dots | | | | | | | | |
| 07 | 7.0" | W | Wide screen WVGA 800 x 480 dots | | | | | | | | |
| 07T | 7.0" Rugged | | | | | | | | | | |
| 05 | 5.7" | | | | | | | | | | |
| 04 | 4.3" | | | | | | | | | | |
| 03 | 3.8" | | | | | | | | | | |

*1: GT21 only.
*2: For GT27/GT25 only

| | |
|------|--|
| GT27 | Advanced model with multi-touch gesture functions |
| GT25 | High performance, cost efficient, mid-range model (open frame available) |
| GT21 | Compact models with basic functions |

GOT2000 Series General Specifications

| Model Number | GT27, GT25 | GT25 (Rugged) (*8) | GT21 | | | |
|------------------------------|---|---|---|---|----------------------|--|
| Operating Ambient Temp. (*1) | 0 to 55°C (*2) | -20 °C to 65 °C | 0 to 55°C (horizontal installation), 0 to 50°C (vertical installation) | | | |
| Storage Ambient Temperature | -20°C to 60°C | -30 °C to 75 °C | -20°C to 60°C | | | |
| Operating Ambient Humidity | 10 to 90%RH, no condensation | | 10 to 90%RH, no condensation (*2) | | | |
| Storage Ambient Humidity | 10 to 90%RH, no condensation | | 10 to 90%RH, no condensation (*2) | | | |
| Vibration Resistance | Conforming to JIS B 3502 and IEC 61131-2 | Frequency | Half Amplitude | | | |
| | | Acceleration | Sweep Count | | | |
| | | Under intermittent vibration | 5 to 8.4Hz | - | 3.5mm GT25: 7.0mm | 10 times each in X, Y and Z directions |
| | | 8.4 to 150Hz | 9.8m/s ² GT25 19.6 m/s ² | - | | |
| Under continuous vibration | 5 to 8.4Hz | - | 1.75mm GT25: 7.0mm | - | | |
| 8.4 to 150Hz | 4.9m/s ² GT25 19.6 m/s ² | - | | | | |
| Shock Resistance | - | IEC 60068-2-27 (392m/s ² (40G), 3 times in each X, Y, or Z direction) | - | | | |
| | Compliant with JIS B 3502, IEC 61131-2 (147 m/s ² (15G), 3 times each in X, Y and Z directions) | | | | | |
| Operating Atmosphere (*6) | No greasy fumes, corrosive gas, flammable gas, excessive conductive dust, and direct sunlight (as well as at storage) | | | | | |
| Operating Altitude (*3) | 2000m (6562 ft) or less | | | | | |
| Installation Location | Inside control panel | | | | | |
| Overvoltage Category (*4) | II or less | | | | | |
| Pollution Degree (*5) | 2 or less | | | | | |
| Cooling Method | Self-cooling | | | | | |
| Grounding | Grounding with a ground resistance of 100Ω or less. If impossible, connect the ground cable to the control panel. | Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 2 mm ² or more. If impossible, connect the ground cable to the control panel. | Grounding with a ground resistance of 100Ω or less by using a ground cable that has a cross-sectional area of 0.14 to 1.5 mm ² (single wire), 0.14 to 1.0 mm ² (stranded wire), or 0.25 to 0.5 mm ² (rod terminal with an insulation sleeve). If impossible, connect the ground cable to the control panel. (*7) | | | |

- Notes:**
- The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.
 - (GT27, GT25) When any of the following units is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the general specifications: multimedia unit (GT27-MMR-Z), MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13)
 - (GT21) If the ambient temperature exceeds 40°C, the absolute humidity must not exceed 90% RH at 40 °C.
 - Do not use or store the GOT under a pressure higher than the atmospheric pressure at altitude 0 m. Doing so may cause a malfunction. Air purging by applying pressure to the control panel may create clearance between the surface sheet and the touch panel. This may cause the touch panel to be not sensitive enough or the sheet to come off.
 - This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment that is supplied with power from fixed facilities. The withstand surge voltage for the equipment with the rated voltage up to 300 V is 2500 V.
 - This indicates the occurrence rate of conductive material in an environment where a device is used. Pollution degree 2 indicates an environment where only non-conductive pollution occurs normally and a temporary conductivity caused by condensation shall be expected depending on the conditions.
 - (GT25, GT27 only) Some models have ANSI/ISA 12.12.01 approval for use in Class I, Division 2 (ANSI/ISA 12.12.01, C22.2 No.213-M1987) hazardous locations. For the details, please contact your local sales office.
 - 5 VDC type does not require grounding.
 - Communication units and options usable with the rugged model can be used in the environment described in the general specifications of the rugged model. For using peripheral devices to be connected to the GOT, refer to the manual of each device.

GT25 Base Units

| Category | Model Number | Screen Size | Resolution | Display Type | Frame Color | Power Supply | Stocked Item |
|----------|-----------------------|-------------|-------------------|--------------|-------------|--------------|--------------|
| GT2512 | GT2512-STBA | 12.1" | SVGA (800 x 600) | TFT Color | Black | 100-240VAC | S |
| | GT2512-STBD | | | | | 24VDC | S |
| GT2510 | GT2510-VTBA | 10.4" | VGA (640 x 480) | | Black | 100-240VAC | S |
| | GT2510-VTBD | | | | | 24VDC | S |
| | GT2510-VTWA | | | | 100-240VAC | S | |
| | GT2510-VTWD | 24VDC | S | | | | |
| | GT2510-WXTBD | 10.1" | WXGA (1280 x 800) | | Black | 24VDC | S |
| | GT2510-WXTSD | | | | Silver | 24VDC | S |
| GT2508 | GT2508-VTBA | 8.4" | VGA (640 x 480) | | Black | 100-240VAC | S |
| | GT2508-VTBD | | | | | 24VDC | S |
| | GT2508-VTWA | | | | 100-240VAC | S | |
| | GT2508-VTWD | | | | 24VDC | S | |
| GT2507 | GT2507-WTBD | 7.0" | WVGA (800 x 480) | Black | 24VDC | S | |
| | GT2507-WTSD | | | Silver | 24VDC | S | |
| | GT2507T-WTSD (Rugged) | | | Silver | 24VDC | S | |
| GT2505 | GT2505-VTBD | 5.7" | VGA (640 x 480) | | Black | 24VDC | S |

GT25 Open Frame Base Units

| Category | Model Number | Screen Size | Resolution | Display Type | Frame Color | Power Supply | Stocked Item |
|--------------------------------|--------------|-------------|------------------|--------------------------|-------------|--------------|--------------|
| GT25 Open Frame Model GOT (*1) | GT2512F-STNA | 12.1" | SVGA (800 x 600) | TFT color (65536 colors) | No frame | 100-240VAC | S |
| | GT2512F-STND | | | | | 24VDC | S |
| | GT2510F-VTNA | 10.4" | VGA (640 x 480) | | | 100-240VAC | S |
| | GT2510F-VTND | | | | | 24VDC | S |
| | GT2508F-VTNA | 8.4" | VGA (640 x 480) | | | 100-240VAC | S |
| | GT2508F-VTND | | | | | 24VDC | S |

Note 1: Always attach an environmental protection sheet dedicated to the open frame model (sold separately) to the display section. Or, attach a user-prepared environmental protection sheet. Not doing so may damage or soil the GOT or cause foreign matter to enter the GOT, resulting in a failure or malfunction

GT25 GOT + CC-Link IE Field Network Communication Unit Sets

| Category | Model Number | Screen Size | Resolution | Display Type | Frame Color | Power Supply | Stocked Item |
|----------|----------------|-------------|------------------|--------------|-------------|--------------|--------------|
| GT2512 | GT2512-STBA-GF | 12.1" | SVGA (800 x 600) | TFT Color | Black | 100-240VAC | S |
| | GT2512-STBD-GF | | | | | 24VDC | S |
| GT2510 | GT2510-VTBA-GF | 10.4" | VGA (640 x 480) | | Black | 100-240VAC | S |
| | GT2510-VTBD-GF | | | | | 24VDC | S |
| | GT2510-VTWA-GF | | | | 100-240VAC | S | |
| | GT2510-VTWD-GF | | | | 24VDC | S | |
| GT2508 | GT2508-VTBA-GF | 8.4" | VGA (640 x 480) | | Black | 100-240VAC | S |
| | GT2508-VTBD-GF | | | | | 24VDC | S |
| | GT2508-VTWA-GF | | | | 100-240VAC | S | |
| | GT2508-VTWD-GF | | | | 24VDC | S | |

GT25 Power Supply Specifications

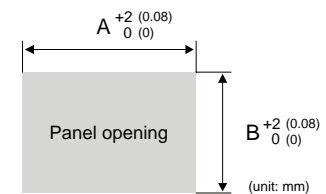
| Model Number | GT2512-STBA GT2512F-STNA | GT2510-VTBA GT2510F-VTNA | GT2508-VTBA GT2508F-VTNA | GT2512-STBD GT2512F-STND | GT2510-VTBD GT2510F-VTND | GT2508-VTBD GT2508F-VTND | GT2505-VTBD | |
|--|--|-----------------------------|-----------------------------|---|-----------------------------|--|-------------|---------------|
| Input Power Supply Voltage | 100 to 240VAC (+10%, -15%) | | | 24VDC (+25%, -20%) | | 24 VDC (+10%, -15%) | | |
| Input Power Supply Frequency | 50/60Hz ±5% | | | - | | | | |
| Power Consumption | Maximum Load | 35W or less | 34W or less | 31W or less | 37W or less | 33W or less | 31W or less | 8.4 W or less |
| | Stand Alone | 14W | 12W | 11W | 13W | 10W | 8W | 4.3 W |
| | Stand Alone with Backlight Off | 7W | 7W | 7W | 6W | 6W | 6W | 2.6 W |
| Inrush Current | 60A or less (2ms, ambient temperature 25°C, maximum load) | | | 5A or less (20ms, ambient temperature 25°C, maximum load) | | 42 A or less (2 ms, ambient temperature: 25°C, under the maximum load) | | |
| Permissible Instantaneous Failure Time | Within 20ms (100VAC or more) | | | Within 10ms | | 10 ms or less | | |
| Noise Resistance | Noise voltage 1500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz | | | Noise voltage 500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz | | Noise voltage: 1000 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 30 Hz to 100 Hz | | |
| Withstand Voltage | 1500 VAC for 1 minute between power supply terminal and ground | | | 350 VAC for 1 minute between power supply terminal and ground | | 500 VAC for 1 minute across power terminals and earth | | |
| Insulation Resistance | 10MΩ or higher with an insulation resistance tester (500 VDC between power supply terminal and ground) | | | | | | | |
| Applicable Wire Size | 0.75 to 2 [mm ²] | | | | | | | |
| Clamp Terminal | Clamp terminals for M3 screw RAV1.25-3, V2-S3.3, V2-N3A, FV2-N3A | | | | | | | |
| Tightening Torque (Terminal Block's Terminal Screws) | 0.5 to 0.8 [N·m] | | | | | | | |

GT25 Power Supply Specifications (continued)

| Model Number | GT2510-WXTBD • GT2510-WXTSD | GT2507-WTBD • GT2507-WTSD | GT2507T-WTSD | |
|--|--|---------------------------|--------------|--------------|
| Input Power Supply Voltage | 24VDC (+25%, -20%) | | | |
| Input Power Supply Frequency | - | | | |
| Power Consumption | Maximum Load | 16 W or less | 16 W or less | 17 W or less |
| | Stand Alone | 9 W or less | 9 W or less | 11 W |
| | Stand Alone with Backlight Off | 5 W or less | 5 W or less | 7 W |
| Inrush Current | 59 A or less (2 ms, ambient temperature: 25°C, under the maximum load) | | | |
| Permissible Instantaneous Failure Time | 5 ms or less | | | |
| Noise Resistance | Noise voltage 500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz | | | |
| Withstand Voltage | 350 VAC for 1 minute between power supply terminal and ground | | | |
| Insulation Resistance | 10MΩ or higher with an insulation resistance tester (500 VDC between power supply terminal and ground) | | | |
| Applicable Wire Size | 0.75 to 2 [mm ²] | | | |
| Clamp Terminal | Solderless terminal for M3 screw RAV1.25-3, V2-S3.3, V2-N3A, FV2-N3A | | | |
| Tightening Torque (Terminal Block's Terminal Screws) | 0.5 to 0.8 [N·m] | | | |

GT25 Panel Cut Dimensions

| Screen Size | Model | A | B | Remarks |
|-------------|-----------|--------------|--------------|--|
| 12.1" | GT2512 | 302 (11.89) | 228 (8.98) | Same dimensions as GT1685, GT1585, A985GOT |
| | GT2512F | 214 (8.43) | 269 (10.59) | - |
| 10.4" | GT2510 | 289 (11.38) | 200 (7.87) | Same dimensions as GT167_M, GT157_M, A97MGOT |
| | GT2510F | 187 (7.36) | 234 (9.21) | - |
| 10.1" | GT2510-WX | 243.5 (9.59) | 185.5 (7.30) | Panel thickness 1.6 (0.06) to 4 (0.16) |
| | GT2507-W | 180.5 (7.11) | 133.5 (5.26) | |
| 7" | GT2507T-W | 197 (7.76) | 141 (5.55) | Panel thickness 1.6 (0.06) to 4 (0.16) |
| | | | | |
| 8.4" | GT2508 | 227 (8.94) | 176 (6.93) | Same dimensions as GT1665, GT1565 |
| | GT2508F | 158 (6.22) | 194 (7.64) | - |
| 5.7" | GT2505 | 156 (6.02) | 121 (4.76) | Same dimensions as GT1455, GT1450 |



GT25 Performance Specifications

| Model Number | | GT2512-STBA GT2512-STBD | GT2512F-STNA GT2512F-STND | GT2510-VTBA GT2510-VTBD | GT2510-VTWA GT2510-VTWD | GT2510F-VTNA GT2510F-VTND | GT2510-WXTBD GT2510-WXTSD | |
|---|--|---|---|---|--|---|---|-----------------------|
| Display Section (*1, *2) | Type | TFT color LCD | | | | | | |
| | Screen Size | 12.1" | | | 10.4" | | 10.1" Wide | |
| | Resolution (Dots) | 800 x 600 dots SVGA | | | 640 x 480 VGA | | WXGA: 1280 x 800 dots | |
| | Display Size (W x H) mm | 246 x 184.5 | | | 211.2 x 158.4 | | 216.96 x 135.6 | |
| | Number of Characters | 16-dot standard font: 50 chars x 37 lines (2-byte) 12-dot standard font: 66 chars. x 50 lines (2-byte) | | | 16-dot standard font: 40 chars. x 30 lines (2-byte) 12-dot standard font: 53 chars. x 40 lines (2-byte) | | 16-dot standard font: 80 characters x 50 lines (two-byte) 12-dot standard font: 106 characters x 66 lines (two-byte) | |
| | Display Colors | 65536 colors | | | | | | |
| Intensity Adjustment | 32-level adjustment | | | | | | | |
| Backlight | Type | LED (not replaceable) | | | | | | |
| | Life (*4) | Approx. 60000 hours or more (Time for display intensity reaches 50% at ambient temperature of 25°C) | | | | | Approx. 50000 h (operating ambient temperature: 25 °C, display intensity: 50%) | |
| Touch Panel (*3) | Type | Analog resistive film | | | | | | |
| | Key Size (Dots) | Minimum 2 x 2 dots (per key) (*8) | | | | | | |
| | Simultaneous Press | Not available (*5) (only 1 point can be pressed) | | | | | | |
| | Life | 1 million times or more (operating force 0.98N or less) | | | | | | |
| Panel Color | | Black | - | Black | White | - | GT2510-WXTBD: Black GT2510-WXTSD: Silver | |
| Memory | User Memory Capacity | Memory for storage (ROM): 32MB, Memory for operation (RAM): 80MB | | | | | Memory for storage (ROM): 32MB, Memory for operation (RAM): 128MB | |
| | Life (No. of Writings) | 100,000 times | | | | | | |
| Internal Clock Accuracy | | ±90 sec/month (ambient temperature 25°C) | | | | | | |
| Battery | Type | GT11-50BAT lithium battery | | | | | | |
| | Life | Approx. 5 years (ambient temperature 25°C) | | | | | | |
| Built-in Interface | RS-232 | 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) | | | | | | |
| | RS-422/485 | 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female) | | | | | | |
| | Ethernet | 1ch Data transfer method: 10BASE-T/100BASE-TX Connector shape: RJ-45 (modular jack) | | | | | 2ch | |
| | USB (Host) | 2ch (front/rear face) | | 1ch (rear face) | | 2ch (front/rear face) | | 1ch (rear face) |
| | | Maximum transfer speed: High-Speed 480Mbps Connector shape: USB-A | | | | | | |
| | USB (Device) | 1ch (front face) | | 1ch (rear face) | | 1ch (front face) | | 1 channel (rear face) |
| | | Maximum transfer rate: High-Speed 480 Mbps Connector shape: USB Mini-B | | | | | | |
| | SD Memory Card | 1ch SDHC compliant (maximum 32GB) | | | | | | |
| Extension Interface | For communication unit/option unit mounting | | | | | | - | |
| Side Interface | For installing a wireless LAN communication unit | | | | | | | |
| Sound Output Interface | - | | | | | | 1 channel, WAV format (16 bits, 8 kHz/16 kHz, monoral) applicable plug: φ3.5 stereo mini-plug (3-prong) | |
| Buzzer Output | | Single tone (tone, tone length adjustable) | | | | | | |
| Power LED | | Emission color: 2 colors (blue, orange) | | | | | | |
| Protective Construction | | Front: IP67F (*6, *9) Inside control panel: IP2X | Front: IP67F (*7, *9) Inside control panel: IP2X | Front: IP67F (*6, *9) Inside control panel: IP2X | Front: IP67F (*7, *9) Inside control panel: IP2X | Front: IP67F (*6*9) In control panel: IP2X | | |
| External Dimensions (W x H x D) mm | | 316 x 246 x 52 | 311 x 237 x 54 | 303 x 218 x 52 | | 298 x 209 x 54 | 252 x 194 x 48 | |
| Panel Cutout (W x H) mm | | 302 x 228 | 269 x 214 | 289 x 200 | | 234 x 187 | 243.5 x 185.5 | |
| Weight (Excluding Mounting Brackets) kg | | 2.4 | | 2.1 | | 1.2 | | |
| Applicable Software Package | | GT Works3 Version1.122C or later | GT Works3 Version1.150G or later | GT Works3 Version1.112S or later | | GT Works3 Version1.150G or later | GT Works3 Version 1.175H or later | |

- Notes:**
- As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.
 - Flickering may occur due to vibration, shock, or the display colors.
 - When a stylus is used, the touch panel has a life of 100 thousand touches. The stylus must satisfy the following specifications: • Material: polyacetal resin • Tip radius: 0.8 mm or more
 - To prevent the display section from burning in and lengthen the backlight life, enable the screen save function and turn off the backlight.
 - If you touch two points or more simultaneously on the touch panel, a touch switch near the touched points may operate unexpectedly. Do not touch two points or more simultaneously on the touch panel.
 - To conform to IP67F, close the USB environmental protection cover by pushing the [PUSH] mark firmly. (To conform to IP2X, open the USB environmental protection cover.) Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.
 - To conform to IP67F attach the environmental protection sheet. Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.
 - The minimum size of a key that can be arranged. To ensure safe use of the product, the following settings are recommended: • Key size: 16 x 16 dots or larger • Distance between keys: 16 dots or more
 - The suffix "F" of IP67F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.

GT25 Performance Specifications (continued)

| Model Number | GT2508-VTBA GT2508-VTBD | GT2508-VTWA GT2508-VTWD | GT2508F-VTNA GT2508F-VTND | GT2507-WTBD GT2507-WTSD | GT2507T-WTSD | GT2505-VTBD | |
|---|--|--|---|--|---|---|--|
| Display Section (*1, *2) | Type | TFT color LCD | | | | | |
| | Screen Size | 8.4" | | | 7" Wide | | 5.7" |
| | Resolution (Dots) | 640 x 480 VGA | | | WVGA:800 x 480 dots | | 640 x 480 VGA |
| | Display Size (W x H) mm | 170.9 x 128.2 | | | 152.40 x 91.44 | | 115.2 x 86.4 |
| | Number of Characters | 16-dot standard font: 40 chars. x 30 lines (2-byte); 12-dot standard font: 53 chars. x 40 lines (2-byte) | | | 16-dot standard font: 50 characters x 30 rows (Two-byte characters) 12-dot standard font: 66 characters x 40 rows (Two-byte characters) | | 16-dot standard font: 40 chars. x 30 lines (2-byte); 12-dot standard font: 53 chars. x 40 lines (2-byte) |
| | Display Colors | 65536 colors | | | | | |
| Intensity Adjustment | 32-level adjustment | | | | | | |
| Backlight | Type | LED (not replaceable) | | | | | |
| | Life (*4) | Approx. 60000 hours or more (Time for display intensity reaches 50% at ambient temperature of 25°C) | | | Approx. 50000 h (operating ambient temperature: 25°C, display intensity: 50%) | | Approx. 60000 hours or more (Time for display intensity reaches 50% at ambient temperature of 25°C) |
| Touch Panel (*3) | Type | Analog resistive film | | | | | |
| | Key Size (Dots) | Minimum 2 x 2 dots (per key) (*8) | | | | | |
| | Simultaneous Press | Not available (*5) (only 1 point can be pressed) | | | | | |
| | Life | 1 million times or more (operating force 0.98N or less) | | | | | |
| Panel Color | Black | White | - | GT2507-WTBD: Black GT2507-WTSD: Silver | Silver | Black | |
| Memory | User Memory Capacity ROM (Storage) RAM (Operation) | ROM: 32MB; RAM: 80MB | | | ROM: 32MB; RAM: 128MB | | ROM: 32MB; RAM: 80MB |
| | Life (No. of Writings) | 100,000 times | | | | | |
| Internal Clock Accuracy | ±90 sec/month (ambient temperature 25°C) | | | | | | |
| Battery | Type | GT11-50BAT lithium battery | | | | | |
| | Life | Approx. 5 years (ambient temperature 25°C) | | | | | |
| Built-in Interface | RS-232 | 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) | | | | | |
| | RS-422/485 | 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female) | | | | | |
| | Ethernet | 1ch | | | 2ch | | 1ch |
| | USB (Host) | 2ch (front/rear face) 1ch (rear face) | | Maximum transfer speed: High-Speed 480Mbps Connector shape: USB-A | | | |
| | USB (Device) | 1ch (front face) 1ch (rear face) | | 1ch (front face) 1ch (rear face) | | 1ch (front face) | |
| | | Maximum transfer rate: High-Speed 480 Mbps Connector shape: USB Mini-B | | | | | |
| | SD Memory Card | 1ch SDHC compliant (maximum 32GB) | | | | | |
| | Extension Interface | For communication unit/option unit mounting | | | - | - | - |
| | Side Interface | For installing a wireless LAN communication unit | | | | | |
| Sound Output Interface | - | | | 1 channel, WAV format (16 bits, 8 kHz/16 kHz, monoral) applicable plug: ø3.5 stereo miniplug (3-prong) | | - | |
| Buzzer Output | Single tone (tone, tone length adjustable) | | | | | | |
| Power LED | Emission color: 2 colors (blue, orange) | | | | | | |
| Protective Construction | Front: IP67F (*6, *9) Inside control panel: IP2X | | Front: IP67F (*7, *9) Inside control panel: IP2X | Front: IP67F (*6*9) In control panel: IP2X | Front: IP66F / IP67F (*9) In control panel: IP2X | Front: IP67F (*7, *9) Inside control panel: IP2X | |
| External Dimensions (W x H x D) mm | 241 x 194 x 52 | | 236 x 185 x 54 | 189 x 142 x 48 | 214 x 158 x 55 | 164 x 139 x 53.5 | |
| Panel Cutout (W x H) mm | 227 x 176 | | 194 x 158 | 180.5 x 133.5 | 197 x 141 | 153 x 121 | |
| Weight (Excluding Mounting Brackets) kg | 1.5 | | | 0.75 | 1.2 | 0.6 | |
| Applicable Software Package | GT Works3 Version1.112S or later | | GT Works3 Version1.150G or later | GT Works3 Version 1.175H or later | | GT Works3 Version1.180N or later | |

- Notes:**
- As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.
 - Flickering may occur due to vibration, shock, or the display colors.
 - When a stylus is used, the touch panel has a life of 100 thousand touches. The stylus must satisfy the following specifications: • Material: polyacetal resin • Tip radius: 0.8 mm or more
 - To prevent the display section from burning in and lengthen the backlight life, enable the screen save function and turn off the backlight.
 - If you touch two points or more simultaneously on the touch panel, a touch switch near the touched points may operate unexpectedly. Do not touch two points or more simultaneously on the touch panel.
 - To conform to IP67F, close the USB environmental protection cover by pushing the [PUSH] mark firmly. (To conform to IP2X, open the USB environmental protection cover.) Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.
 - To conform to IP67F attach the environmental protection sheet. Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.
 - The minimum size of a key that can be arranged. To ensure safe use of the product, the following settings are recommended: • Key size: 16 x 16 dots or larger • Distance between keys: 16 dots or more
 - The suffix "F" of IP67F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.