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## AIG02GQ14D | GT02



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\*Photo may vary from actual product.

**RoHS compliant**

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Product Number	AIG02GQ14D
Part Number	AIG02GQ14D
Product	Compact Programmable Display
Details	GT02G
Product name	GT02

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FAQ

As of July 16, 2018

Specifications and design of the products are subject to change without notice for the product improvement.

### Spec Detail

Item	Specifications
Product Number	AIG02GQ14D
Part Number	AIG02GQ14D
CE marking directive compliance	EMC Directive, RoHS Directive
Power supply	24 V DC
Operating voltage range	21.6 to 26.4 V DC
Power consumption	1.9 W or less
Power supply unit isolation method	—
Ambient temperature	0 to +50 °C <b>+32 to +122F</b>
Ambient humidity	20 to 85% RH (at +25 °C <b>+77 F</b> ), (No dew condensation allowed)
Storage temperature	-20 to +60 °C <b>-4 to +140F</b>
Storage humidity	10 to 85% RH (at +25 °C <b>+77 F</b> ), (No dew condensation allowed)
Vibration resistance	5 to 8.4 Hz amplitude: 3.5 mm <b>0.138 in</b> , 8.4 to 150 Hz acceleration 9.8 m/s <sup>2</sup> , 10 sweeps each in X, Y and Z directions (1 octave/min.)
Shock resistance	147 m/s <sup>2</sup> , 3 times in each of the X, Y and Z directions
Superposed noise suppression	1,000 V [P-P] or more, pulse width of 50 ns, 1 μs between power supply terminals (by a noise simulator)

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Protection	IP67 (in the initial stages) Note: This protective structure condition applies to the front surface of the installed panel. This condition does not guarantee usage in all environments provided by users. When reattaching the panel, replace the waterproof packing.
Net weight	170 g approx.
Display:Display device	TFT monochrome LCD Note: The display has been changed STN LCD to TFT LCD from production in February 2017.
Display:Resolution	240 (W) x 96 (H) dots
Display:Display color	2 colors (black/white)
Display:Displayable area	88.5 (W) x 35.4 (H) mm <a href="#">3.484 (W) x 1.394 (H) inch</a>
Display:Backlight	3-color LED (green / orange / red)
Functions:Font types	Fixed (GTWIN) : 8 × 8, 16 × 8, and 16 × 16 dots, Characters can be displayed in the 1, 2, 4, or 8 times width or height. TrueType (GTWIN): 10 to 96 dots
Functions:Languages	Japanese, English, Simplified Chinese, Traditional Chinese, Korean, German, Italian, Spanish, French, Turkish, Russian, Vietnamese
Functions:Graphics	Straight lines, Continuous straight lines, Squares, Circles, Ovals, Arcs, Elliptic arcs, Fan shapes, Elliptic fan shapes, Beveled squares, Bitmaps
Functions:Number of screens	250 screens approx. Note: The number of screens that can be registered varies according to the registered contents.
Functions:Screen setting No.	No. 0 to 3FF
Functions:Part functions	Messages, Lamps, Switches, Function switches, Data, Bar graphs, Clocks, Keyboards, Line graphs, Alarm list, Custom parts (messages, lamps, switches)
Functions:Other functions	Recipe, Flow display, Write device, Language switching, GT link, Operation security, Data logging, SD recipe Note: The data logging and SD recipe functions are available with only models equipped with an SD / SDHC memory card slot.
Functions:Clock function	Provided with a built-in clock. (Can also refer to and display a PLC clock.) * Buy the backup battery (AFPX-BATT).
Functions:Contrast adjustment	Contrast can be adjusted by using the touch panel.
Functions:Buzzer	Installed
Functions:Automatic communication settings	The communication speed (baud rate) is automatically changed if there is no response from the target equipment.
Functions:Through function	GT connected between PC and PLC allows PLC to be debugged without a direct connection to a PC.
Functions:Screen creation	Dedicated software should be used. Applicable OS: Windows® 2000 / XP / Vista / 7 / 8 / 8.1 / 10 Note: The 64-bit version is not supported except for Windows® 7 / 8 / 8.1 / 10. Windows is registered trademark or trademark of Microsoft Corporation in the United States and other countries.
Touch key resolution	Free layout (8 dots min.)
Touch key operation force	0.8 N or less
Touch key life	1 million operations or more (at +25 °C +77 °F)
COM. Port:Communication standard	Conforms to RS-422 / RS-485
COM. Port:External communication conditions	Baud rate: 9,600 bps, 19,200 bps, 38,400 bps, 57,600 bps, 115,200 bps Data bits: 7 or 8 bits, Parity: None, Odd, Even, Stop bits: 1 bit
COM. Port:Protocol	Our FP series supported, General-purpose serial interface supported, Other companies' PLC supported ( <a href="#">Refer to the compatible PLC list for manufacturers and models.</a> )
COM. Port:Connector	Connector terminal block (8 pins)
Screen data transfer interface:Communication standard	USB1.1
Screen data transfer interface:Protocol	Our dedicated protocol
Screen data transfer interface:Connector	USB Mini-B
User's memory:Memory	F-ROM
User's memory:Capacity	2 Mbyte
Memory backup:Memory	SRAM

Memory backup:Backup battery




Lithium battery (replaceable) AFPX-BATT (Does not include with product.)

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## Accessories (Option)

		
Product Number: <b>AFPX-BATT</b>	Product Number: <b>AIG02800</b>	Product Number: <b>AIG02810</b>
Part Number: <b>AFPX-BATT</b>	Part Number: <b>AIG02800</b>	Part Number: <b>AIG02810</b>
Product: <b>backup battery</b>	Product name: <b>Panel face protection sheets</b>	Product name: <b>Waterproof packing</b>
Product name: <b>Backup battery</b>		

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Easy to find the information you need :  yes  no

Practical for your work :  yes  no

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