



TFT  
256  
MONO  
8



# GP-3200T/A

SIO1ch	Ethernet	Communication Unit	VM/DVI
USB(Host)	CF Card	AUX Sound out	Video in
Sound in	DIO(Sink/Source)	FLEX NETWORK	CANopen

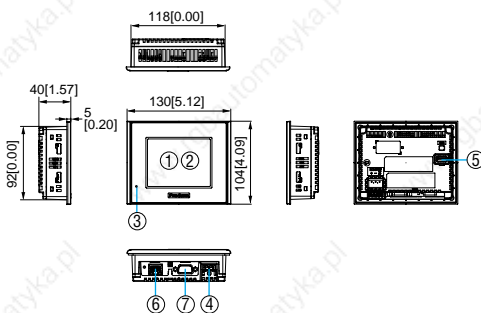
Model:  
 [DC] AGP3200-T1-D24  
 [DC] AGP3200-A1-D24

FUNCTIONAL SPECIFICATION		GP-3200T	GP-3200A
Display Type		TFT Color LCD	Monochrome Amber/Red LCD
Color Shade level		256 Colors (no blink) / 64 Colors (Enables blink feature) *1	Black and White (8 Shades)
Backlight		White LED (When replacement is required, contact your local GP distributor)	Amber/Red LED (When replacement is required, contact your local GP distributor)
Display Resolution		320 x 240 pixels (QVGA)	
Effective Display Area		78.8mm[3.10in.] x 59.6mm[2.35in.]	
Brightness Control		16 levels of adjustment available via touch panel	
Contrast Adjustment		—	8 levels of adjustment available via touch panel
Language Fonts		Japanese: 6962 (JIS Standards 1&2)(including 607 non-kANJI characters), ANK: 158 (Korean fonts, Simplified and traditional Chinese fonts are downloadable.)	
Text Composition	Character Sizes	Standard font: 8 x 8, 8 x 16, 16 x 16 and 32 x 32 dot fonts, Stroke font: 6 to 127 dot fonts	
	Font Sizes	Standard font: Width can be expanded up to 8 times. Height can be expanded up to 8 times *2	
Text	8 x 8 dots	40 Char. x 30 rows	
	8 x 16 dots	40 Char. x 15 rows	
	16 x 16 dots	20 Char. x 15 rows	
	32 x 32 dots	10 Char. x 7 rows	
Memory	Application	6MB FLASH EPROM *3	
	Data Backup	320KB SRAM *4	
Touch Panel	Type	Resistive Film (analog)	
	Resolution	1024 x 1024	
Control Memory	Variable Area	64 KB SRAM (uses lithium battery) *4	
	Program Area	—*5	
	Number of Step	—	
Interface	Serial (COM1)	Asynchronous Transmission: RS-232C/422/485 *6 Data Length: 7/8 bits, Stop Bit: 1/2 bits, Parity: none, Odd or Even, Data transmission speed: 2400bps to 115.2kbps 187.5kbps(MPI) *7, Connector: D-Sub 9pin plug	
	Ethernet	IEEE802.3u, 10BASE-T/100BASE-TX, modular jack connector (RJ-45)	
	USB	USB1.1 (USB TYPE-A conn.) x 1	

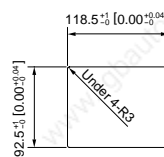
GENERAL SPECIFICATION	DC
International Safety Standards	UL, CE, FCC, RoHS
Ship Standard Acquisition	—
Conforming Standards	UL508, UL1604, CSA-C22.2 No.14-M95, CSA-C22.2 No.213-M1987, EN55011 Class A, EN61000-6-2
Input Voltage	DC24V
Rated Frequency	—
Rated Voltage	DC19.2V to DC28.8V
Allowable Voltage	2ms or less
Power Consumption	13W or less
Voltage Endurance	AC1000V 20mA for 1 minute (between charging and FG terminals)
Insulation Resistance	10MΩ or higher at DC500V (min.)(between charging and FG terminals)
Surrounding Air Temperature	0 °C to +50 °C *8
Storage Temperature	-20 °C to +60 °C
Humidity	10%RH to 90%RH (Non-condensing, wet bulb temperature: 39 °C max.)
Storage Humidity	10%RH to 90%RH (Non-condensing, wet bulb temperature: 39 °C max.)
Pollution Degree	Pollution Degree 2
Atmosphere	Free of corrosive gasses
Air Pressure/Vibration Resistance (Availment altitude)	800hPa to 1114hPa (2000 meters or lower)
Vibration Resistance	IEC61131-2 compliant 5Hz to 9Hz Single-amplitude 3.5mm 9Hz to 150Hz Fixed acceleration 9.8m/s <sup>2</sup> X, Y, Z directions for 10 cycle (100min.)
Noise Immunity (via noise simulator)	Noise Voltage: 1000Vp-p Pulse Duration: 1μs Rise Time: 1ns
Electrostatic Discharge Immunity	6kV (complies with EN 61000-4-2 Level 3)
Grounding	100Ω or less, or your country's applicable standard *9
Ratings (For front panel of installed unit)	Equivalent to IP65f NEMA #250 TYPE 4X/13 *10
External Dimensions	W130mm[5.12in.] x H104mm[4.09in.] x D40mm[1.57in.]
Weight	0.4kg (0.9lb) max.(Unit Only)
Cooling Method	Natural air circulation

- \*1 Changing the Colors setting to "256 colors" will disable the blinking feature on all screens in your project. If you wish to use the blinking feature, select "256 colors".
- \*2 Font Sizes can be set up by software.
- \*3 User area.
- \*4 A Lithium battery's lifetime is:  
10 years when the battery's ambient temperature is 40 °C or less.  
4.1 years when the battery's ambient temperature is 50 °C or less.  
1.5 years when the battery's ambient temperature is 60 °C or less.  
When used for back up: Approximately 60 days, with a fully charged battery.  
Approximately 6 days, with a half-charged battery.
- \*5 Logic Programming is not available.
- \*6 RS-232C and RS-422/485 are software switchable.
- \*7 SIEMENS SIMATIC S7-200/300/400 series (MPI port only).  
Please contact your Pro-face sales representative for supported models and other details.
- \*8 Operating temperature refers to temperature inside mounting enclosure.
- \*9 Grounding requirements differ from country to country. Be sure to confirm your work environment requirements prior to installation. For more information, please contact your local Pro-face office.
- \*10 The degree of protection provided by these products is equivalent to IP65f, however their performance cannot be guaranteed for every environment. Be sure to confirm your work environment requirements prior to installation.

### External Dimensions

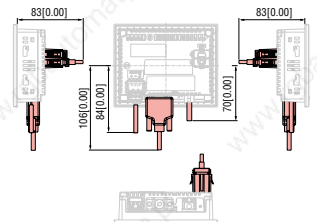


### Panel Cut-out



Panel Thickness area 1.6 [0.06]-5.0 [0.20]  
 Accommodates the panel cutout dimensions of current models (118.5x92.5) ST-40\*

### Cable Attached Dimensions



Unit:mm [in.]

### Parts Names

- ① Display ② Touch Panel ③ Status LED ④ Power Input Terminal Block (AC model) Power Plug Connector (DC model) ⑤ USB Interface (Host) ⑥ Ethernet Interface (LAN) ⑦ Serial Interface(COM1)

\* Depending on the type of connection cable used the dimensions shown above will change. The dimensions given here are representative values and are intended for reference only.