GP-3301L

AGP3301-L1-D24(PFXGP3301LAD)
AGP3301-L1-D24-M

5.7" **Where to Buy** (https://profaceamerica.com/en-US/distributor_locator/)

Functional Specifications
General Specifications

Manuals (http://www.hmisource.com/otasuke/qa/gp3000/3000_manual.html)

Documentation

FAQs (http://www.hmisource.com/otasuke/qa/gp3000/3000_1-1.htm)

Support

BMP (http://www.hmisource.com/otasuke/download/bmp/hard/gp/)
3D CAD (http://profaceamerica.thomasnet-navigator.com/cadviewer/ThreeDim?sn=agp3301-l1-d24)

Design Tools

GP-Pro EX (/content/hmi-software)

Software

International Standards

Certifications

Functional Specifications

Display Type	Monochrome LCD
Display Size	5.7"
Resolution	320 x 240 pixels (QVGA)
Dot pitch	W0.36 X H0.36mm [W0.01 X H0.01in.]
Effective Display Area	W115.2 X H86.4mm [W4.54 X H3.40in.]
Display Colors	Monochrome (16 Shades)
Backlight	CCFL (User nonreplaceable parts, return system to distributor.)
Brightness Control	8 Levels (Adjusted with the touch panel)
Contrast Control	8 Levels (Adjusted with the touch panel)
Backlight Service Life	58,000 hrs. or more (continuous operation at 25ºC before backlight brightness decreases to 50% or backlight starts to blink)
Language Fonts	Japanese: 6,962 (JIS Standards 1 & 2) (including 607 non-kanji characters), ANK: 158 (Korean fonts, Simplified Chinese and Traditional Chinese fonts are downloadable.
Character Sizes	Standard font: 8 x 8, 8 x 16, 16 x 16 and 32 x 32 pixel fonts, Stroke font: 6 to 127 pixel fonts, Image font: 8 to 72 pixel fonts
Font Sizes	Standard font: Width can be expanded up to 8 times., Height can be expanded up to 8 times.
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
8 x 8 dots	40 char. X 30 rows
Application Memory	FLASH EPROM 6 MB *1
Data Backup	SRAM 320KB (uses lithium battery) *2
Clock Accuracy	±65 sec./month (deviation at room temperature and power is OFF) *3
Touch Panel Type	Resistive Film (analog)
Touch Panel Resolution	1,024 X 1,024
Touch Panel Service Life	1,000,000 times or more
Serial (COM1)	RS-232C/422/485, Asynchronous Transmission, Data Length: 7 or 8 bit, Parity: none, Even or Odd, Stop Bit: 1 or 2 bit, Data Transmission Speed: 2,400 bps to 115.2 kbps, Connector: D-Sub9 (plug)

Serial (COM2)	RS-422/485, Asynchronous Transmission, Data Length: 7 or 8 bit, Parity: none, Even or Odd, Stop Bit: 1 or 2 bit, Data Transmission Speed: 2,400 bps to 115.2 kbps, 187.5kbps (MPI), Connector: D-Sub9 (socket)
Expansion Unit 1	Communication Expansion Unit X 1
USB (TYPE-A)	Conforms to USB1.1. (TYPE-A conn.) X 1, Power Supply Voltage: DC5V±5%, Output Current: 500mA (max.), Communication Distance: 5m (max.)
CF Card	Compact Flash CF Card Slot (TYPE-II) X 1

1 Capacity available for user.

2 A Lithium battery's lifetime is:
10 years when the battery's ambient temperature is 40 ºC or less.
4.1 years when the battery's ambient temperature is 50 ºC or less.
1.5 years when the battery's ambient temperature is 60 ºC or less.
When used for back up: Approximately 100 days, with a fully charged battery.
Approximately 6 days, with a half-charged battery.

3 Depending on the operating temperature and age of unit, the clock can deviate from -380 to +90 sec./month. For systems where this level of deviation is a problem, the user should monitor and make adjustments when required.

General Specifications

International Safety Standards	
Rated Input Voltage	DC 24V
Input Voltage Limits	DC 19.2 to 28.8V
Allowable Voltage Drop	5 ms or less
Power Consumption	26 W or less
In-Rush Current	30 A or less
Voltage Endurance	AC1,000V 20mA for 1 minute, (between charging and FG terminals)
Insulation Resistance	DC500V 10MΩ (min.), (between charging and FG terminals)
Surrounding Air Temperature	0 to 50 °C (32 to 122 °F)
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Ambient Humidity	10 to 90% RH (Wet bulb temperature: 39°C max. - no condensation.)
Storage Humidity	10 to 90% RH (Wet bulb temperature: 39°C max. - no condensation.)
Dust	0.1mg/m³ and below (non-conductive levels)
Pollution Degree	For use in Pollution Degree 2 environment
Atmosphere	Free of corrosive gases
Air Pressure (altitude range)	800 to 1,114 hPa (2,000 m [6,561ft.] above sea level or less)
Vibration Resistance	IEC/EN61131-2 compliant, 5 to 9Hz Single amplitude 3.5mm [0.14in.], 9 to 150Hz Fixed acceleration: 9.8m/s², X,Y,Z directions for 10 cycles (100 minutes)
Concussion Resistance	IEC/EN61131-2 compliant, 147 m/s², X, Y, Z directions for 3 times
Noise Immunity	Noise Voltage: 1,000Vp-p, Pulse Duration: 1μs, Rise Time: 1ns, (via noise simulator)
Electrostatic Discharge Immunity	Contact Discarge Method: 6kV (IEC/EN61000-4-2 Level 3)
Grounding	Functional grounding: Grounding resistance of 100Ω, 2mm² or thicker wire, or your country's applicable standard. (Same for FG and SG terminals)
Structure	Equivalent to IP65f NEMA #250 TYPE 4X/13 (Front surface of embedded panel) *4
Installation Configuration	Embedded panel
Cooling Method	Natural air circulation

Weight Approx.	1 kg [2.2 lb] or less (display unit only)
External Dimensions	W167.5 X H135 X D59.5mm, [W6.59 X H5.31 X D2.34in.]
Panel Cut Dimensions	W156.0 X H123.5mm [W6.14 X H4.86in.], Panel thickness area: 1.6 to 5.0mm [0.06 to 0.20in.] *5

4 The front face of the GP unit, installed in a solid panel, has been tested using, conditions equivalent to the standards shown in the specification. Even though the, GP unit's level of resistance is equivalent to these standards, oils that should have, no effect on the GP can possibly harm the unit. This can occur in areas where either, vaporized oils are present, or where low viscosity cutting oils are allowed to adhere, to the unit for long periods of time. If the GP's front face protection sheet becomes, peeled off, these conditions can lead to the ingress of oil into the GP and separate, protection measures are suggested., Also, if non-approved oils are present, it may cause deformation or corrosion of the, front panel's plastic cover. Therefore, prior to installing the GP be sure to confirm the, type of conditions that will be present in the GP's operating environment., If the installation gasket is used for a long period of time, or if the unit and its gasket, are removed from the panel, the original level of the protection cannot be guaranteed., To maintain the original protection level, be sure to replace the installation gasket, regularly.

5 Regarding dimensional tolerance, everything +1/-0mm [+0.04/-0in.] and R in angle are below R3 [R0.12in.].

Pro-face by Schneider Electric | Phone: 800-289-9266 | customercare@profaceamerica.com
North America Plant Operations | 235 Burgess Road | Greensboro, NC 27409
North America Administration | 1975 Technology Drive, Suite B, Bldg J | Troy, MI 48045