

# PRO-FACE OPERATOR INTERFACES

## PRODUCT Datasheet



**AGP3300-L1-D24-D81K**  
**AGP3300-L1-D24-D81C**

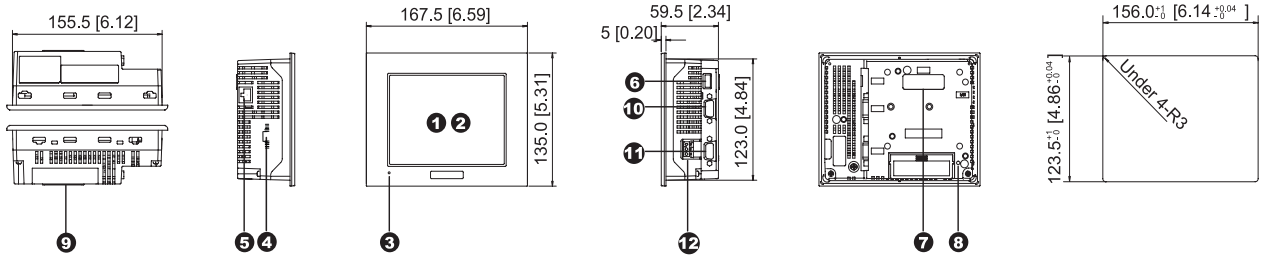


### AGP3300L D81K/D81C Integrated HMI Controller

#### 5.7" Integrated Control Operator Interface with Built-In Discrete I/O

- All-in-One HMI and PLC with Built-in 6 discrete inputs and 2 discrete outputs
- Crisp, Clear, Bright 320x240 Resolution Monochrome Display
- 64-bit RISC 133Mhz CPU for Ultra-Fast Screen Refresh and Data Sampling
- No Grid Analog Touch Panel for Improved Visibility and Precise Part Placement
- Supports Up to Two Protocol Drivers Simultaneously
- High Speed Application Transfer, 10 Times Faster than Conventional Operator Interfaces
- 10/100 Base-T Ethernet, USB, Serial (MPI) and CompactFlash™ Communication Interfaces
- High-Definition Part Images and Multi-Language Support

## PRODUCT OVERVIEW



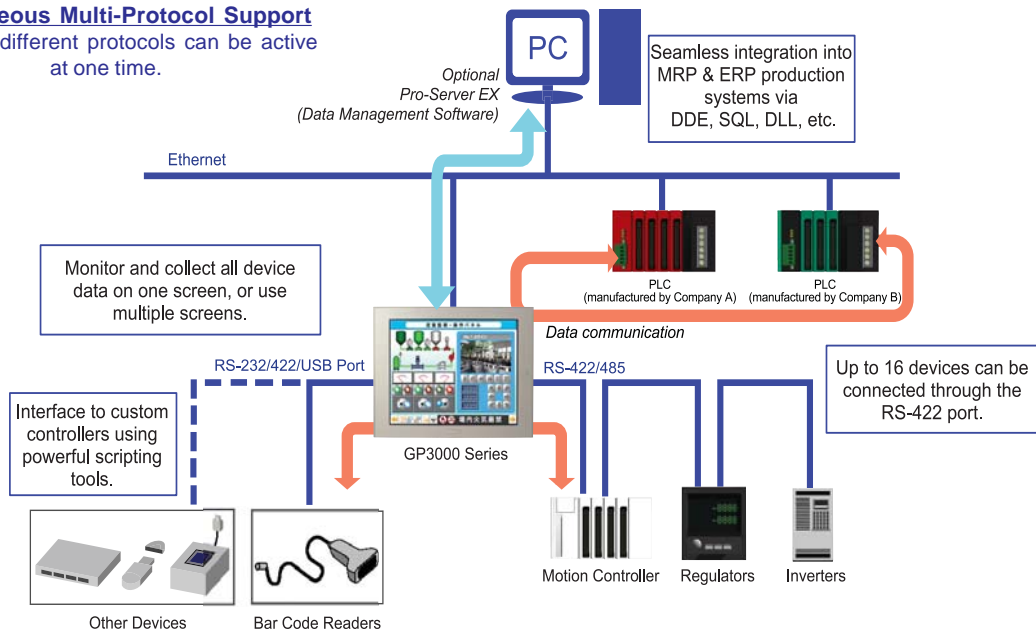
AGP-3300T(AC type) unit shown.

- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"> <li>❶ Display</li> <li>❷ Touch Panel</li> <li>❸ Status LED</li> <li>❹ Discrete I/O Interface<br/>6 Discrete Inputs, 2 Discrete Outputs Built-in.</li> <li>❺ 10/100 Base-T Ethernet Interface (LAN) (RJ45)</li> </ul> | <ul style="list-style-type: none"> <li>❻ USB 1.1 Type A Interface (Host)<br/>One Port for download, bar-code, printer or other USB device</li> <li>❼ Optional Communication Module Interface 2</li> <li>❽ CF Card Access LED</li> <li>❾ CompactFlash™ Card Access Cover (CF cards up to 512MB available)</li> </ul> | <ul style="list-style-type: none"> <li>❿ Serial Interface (COM1)<br/>RS-232C/RS-422 serial interface. D-sub 9-pin plug type connector. Communication method is switched via software.</li> <li>⓫ Serial Interface (COM2)<br/>RS-422/RS-485 MPI (187kbps) serial interface. D-sub 9-pin socket type connector.</li> <li>⓬ Power Plug Connector</li> </ul> |
|---|---|--|

## COMMUNICATION CAPABILITY

### Simultaneous Multi-Protocol Support

Up to two different protocols can be active at one time.



# AGP3300L D81K/D81C CONTINUED

## INTEGRATED MONITOR CONTROL

## ONLINE LOGIC PROGRAM MONITORING FEATURE

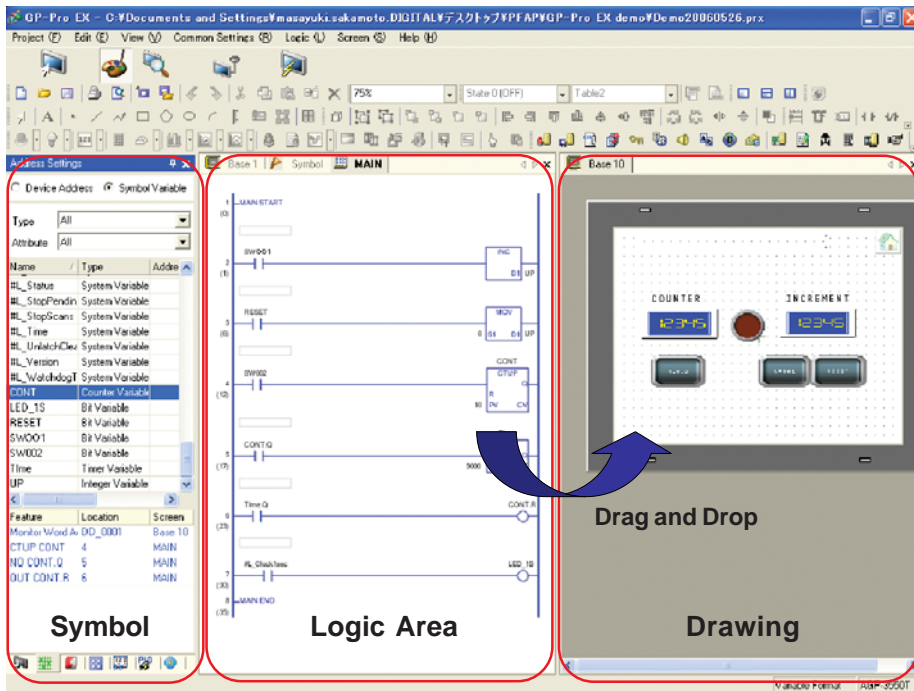


### Detect Problems Faster

- View logic Programming on HMI while running. "No need for a laptop!"
- Verify current values of all variables live
- Quickly identify sequential logic faults
- Helps optimize Programming & Processes
- View logic in English or Japanese

## POWERFUL LOGIC PROGRAMMING

With GP-Pro EX, you can develop logic programs as well as screen creation. You can also import existing logic programs created with the GP-PRO/PBIII C-Package.



### Time Saving Steps

#### Drag and Drop

Drag contact or coil to quickly create a graphical switch or lamp.

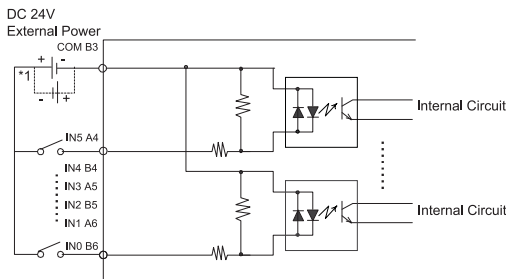
#### Re-usable sub-routines

Reduce steps for product programming development and maintenance using sub-routines.

Screen Editor  
**GP-Pro EX**

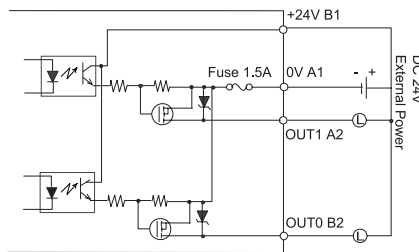
## BUILT-IN DISCRETE I/O

6 Discrete Inputs, 2 Discrete Outputs Per Model

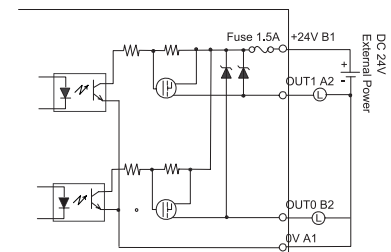


\*1 Dotted line shows connection to sink output type.

Discrete Input Connection



Discrete Output Connection  
(Sink Configuration)



Discrete Output Connection  
(Source Configuration)

# AGP3300L D81K/D81C SPECIFICATIONS

## FUNCTIONAL SPECIFICATIONS

Model	AGP3300-L1-D24-D81K/D81C	
Display	Type	Monochrome LCD
	Colors	Black and White (16 shades)
	Backlight	CCFL Service life: 58,000 hrs. or more at 25°C (77°F) and 24 hrs. operation
	Resolution	320 x 240 pixels
	Brightness & Contrast Controls	8 levels of adjustment available via touch panel
Memory	Touch Panel	Resistive film analog 1024 x 1024 resolution
	Application	6 MB FEPRAM
Interfaces	Data Backup	320KB SRAM
	Serial (COM 1) Interface	RS-232C/422/485 configurable, 9 pin D-sub plug, Data Transmission Speed: 2400 to 115.2 Kbps
	Serial (COM 2) Interface	RS-422/485, 9 pin D-sub socket, Data Transmission Speed: 2400 to 115.2 Kbps (MPI Direct 187.5 Kbps)
	Ethernet Interface	Ethernet IEEE802.3, 10BASE-T/100BASE-TX, modular jack connector (RJ-45)
	Communication Module Interface	Interface port for optional communication modules.
	USB Interface	1 Port USB1.1 Host I/F, USB TYPE-A connector
	Discrete 6 In 2 Out Interface	Connect to an I/O device. 6 Input pts. 24VDC, Rated: 5.7 mA. 2 Outputs 24V DC, Rated: 24VDC @ 200mA/pt.
	CF Card Interface	1 slot CompactFlash™, TYPE II

## GENERAL SPECIFICATIONS

Electrical	Rated Voltage	24V DC
	Rated Voltage Range	19.2V DC to 28.8V DC
	Power Consumption	26W or less
Environmental	Ambient Operating Temp.	0°C (32°F) to 50°C (122°F)
	Storage Temperature	-20°C (-4°F) to 60°C (140°F)
	Storage Humidity	10%RH to 90%RH (non-condensing, wet bulb temperature: 39°C (102°F) or less)
	Altitude Operation	800hPa to 1114hPa (2000 meters or lower)
	Vibration & Shock 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 times (80min.)
Structural	Ratings	Equivalent to IP65f, Nema #250 Type 4x/13 (Equivalent to NEMA 12 with the addition of "Oil or Coolant Spraying and Splashing")
	Certifications	CE, CSA, UL listed CI 1 Div 2
	External Dimensions	W167.4mm[6.59in.] x H135mm [5.31in.] x D59.5mm [2.34in.]
	Weight	1.0kg (2.2lb) or less

## CUT-OUT COMPATIBILITY

16 Years of Cut-Out Compatibility



Old model

Panel cutout dimensions

AGP3000 model  
"Drop-in"



Size (mm)	156x123.5 mm	
Series	GP77R Series	GP377R Series
GP2000 Series	GP2300 Series	GP2301 Series
GP3000 Series	GP-3300 Series	

## SOFTWARE COMPATIBILITY



POWERED BY:

Screen Editor  
**GP-Pro EX**

HMI Development  
Software

(V.1.10 or higher)

## ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION
AGP3300-L1-D24-D81K	5.7" Monochrome, 2 Serial, 1 USB, Ethernet, Discrete 6 in 2 Out (Sink), 24VDC
AGP3300-L1-D24-D81C	5.7" Monochrome, 2 Serial, 1 USB, Ethernet, Discrete 6 in 2 Out (Source), 24VDC

### OPTIONAL ACCESSORIES

HMI-CAB-ETH	Ethernet Crossover Cable: HMI to PLC Ethernet port or to program HMI
CA3-USBCB-01	USB download cable, PC USB port to AGP USB port
CA3-DFS6-01	Overlay Screen protection sheet (5 sheets/pack)
<i>PLC Cables &amp; Accessories See AGP3000 Connectivity Document</i>	

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### Advertencia de la Proposición 65 de California—Plomo y compuestos de plomo

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