

PRO-FACE OPERATOR INTERFACES

PRODUCT DATA SHEET



AGP3300-L1-D24-FN1M

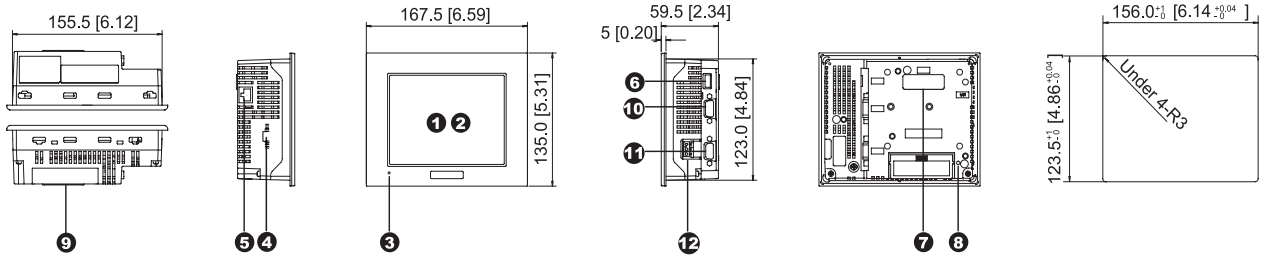


AGP3300L FN1M Integrated HMI Controller

5.7" Integrated Control Operator Interface with Dual Channel Flex Network Port

- 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

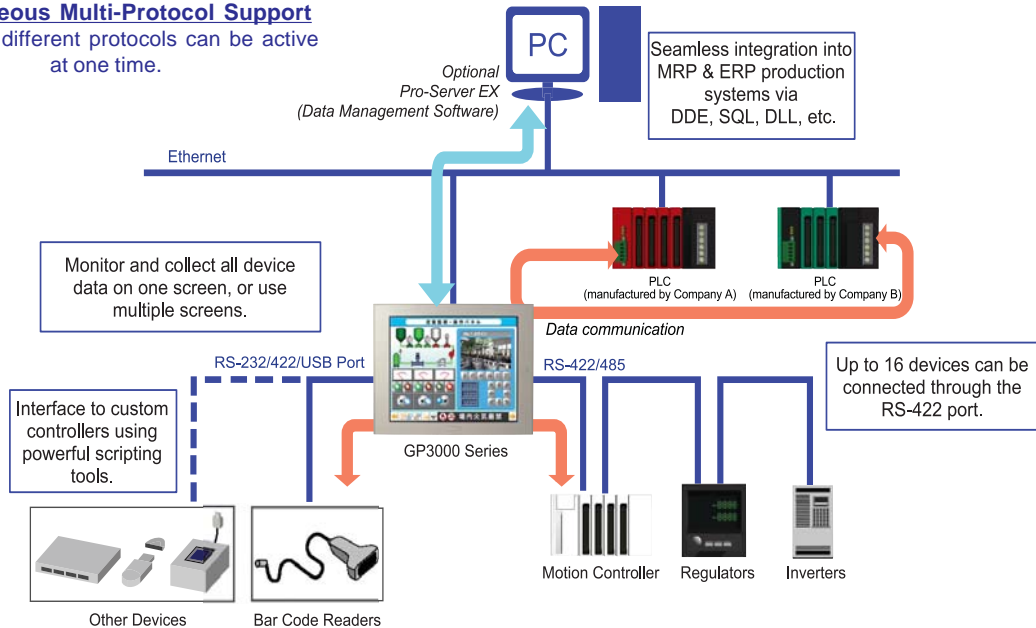


AGP-3300T(AC type) unit shown.

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

COMMUNICATION CAPABILITY

Simultaneous Multi-Protocol Support
Up to four different protocols can be active at one time.



AGP3300L FN1M CONTINUED

INTEGRATED MONITOR CONTROL

ONLINE LOGIC PROGRAM MONITORING FEATURE

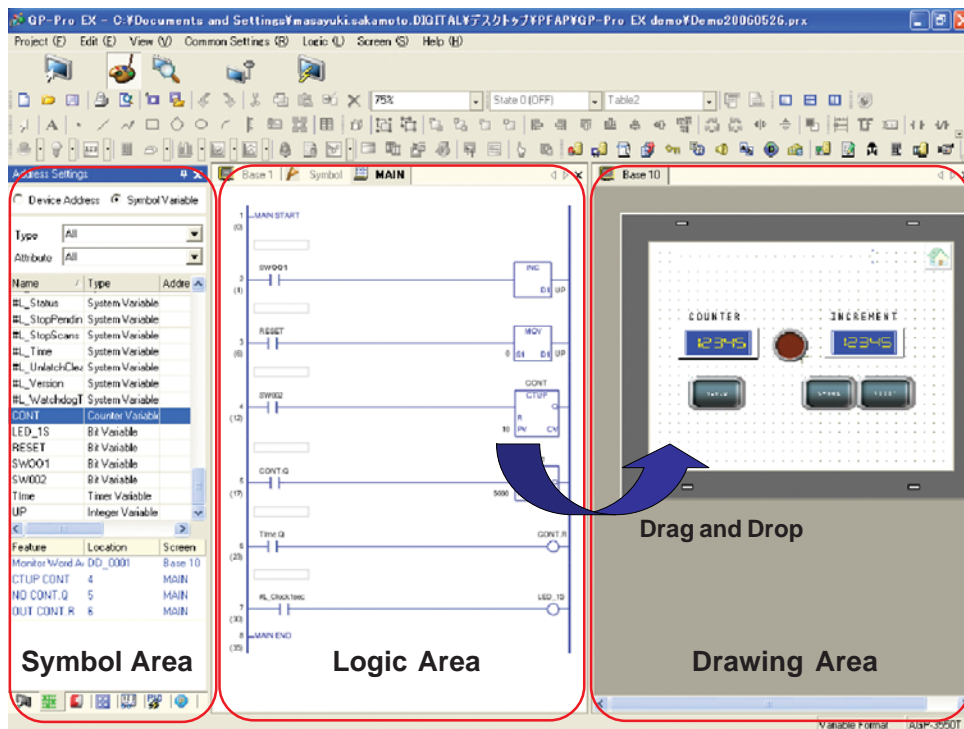


Detect Problems Faster

- 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.

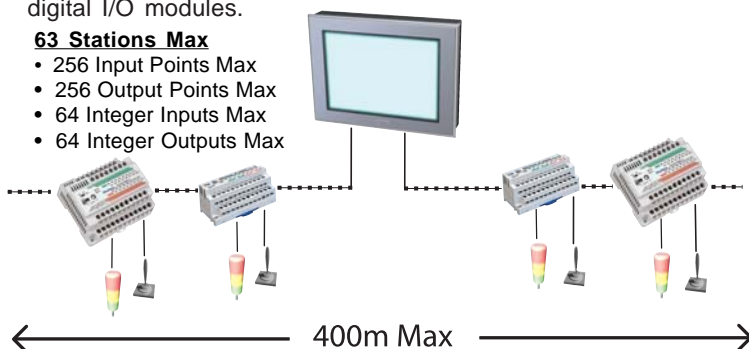
Screen Editor
GP-Pro EX

DISTRIBUTED I/O MODULES

Features include: timers, counters, logical operations, mathematical, bit operation, etc. Mix and match any combination of analog and digital I/O modules.

63 Stations Max

- 256 Input Points Max
- 256 Output Points Max
- 64 Integer Inputs Max
- 64 Integer Outputs Max



FLEX NETWORK MODULES

Monitor & Control

- For distributed I/O applications.
- Supports the Flex Network Analog and Discrete I/O Modules.



AGP3300L FN1M SPECIFICATIONS

FUNCTIONAL SPECIFICATIONS

| | | |
|-------------------|--------------------------------|--|
| Model | AGP3300-L1-D24-FN1M | |
| 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) |
| | USB Interface | 1 Port USB1.1 Host I/F, USB TYPE-A connector |
| | Flex Network Interface | Connect to Flex Network distributed I/O modules: 2 channel, 200m per channel. Speed: 6Mbps, 12Mbps. Bit variable Input/Output: 512pts max. Integer Variable Input/Output: 128 pts max. |
| 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) |
| Structural | Vibration & Shock Resistance | IEC61131-2 compliant. 5Hz to 9Hz single amplitude 3.5mm, 9Hz to 150Hz fixed acceleration 9.8m/s ² , X,Y, Z directions for 10 times (80min.) |
| | 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 | mm | |
| GP77R Series | GP377R Series | |
| GP2000 Series | GP2300/ GP2301 Series | |
| GP3000 Series | GP-3300 Series | |

Investment Protection

SOFTWARE COMPATIBILITY



POWERED BY:

Screen Editor
GP-Pro EX

HMI Development Software

ORDERING INFORMATION

| ORDER NUMBER | DESCRIPTION |
|---------------------|---|
| AGP3300-L1-D24-FN1M | 5.7" Monochrome, 2 Serial, 1 USB, Ethernet, Flex Network, 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) |

PLC Cables & Accessories See AGP3000 Connectivity Document

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