



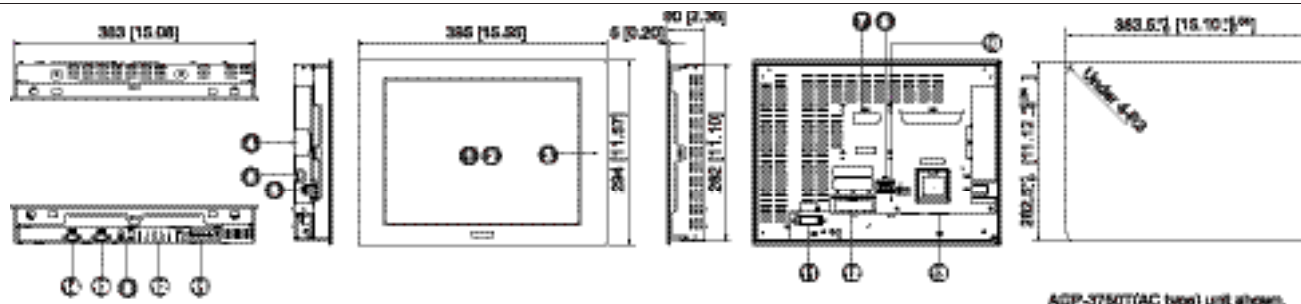
**AGP3750-T1-AF**  
**AGP3750-T1-D24**



## AGP3750T Advanced Multi-Media HMI

### 15" Multi-Port, Multi-Media Operator Interface Touch

- 65,536 Colors XGA, Clear, Bright, High-Resolution TFT Display
- 64-bit RISC 266Mhz CPU for Ultra Fast Screen Refresh and Data Sampling
- No Grid Analog Touch Panel for Improved Visibility and Precise Part Placement
- Supports Up to Four 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
- Includes Alarm, Buzzer Output, Remote Reset Input
- Direct Video and Audio Input Ports, plus Audio Output



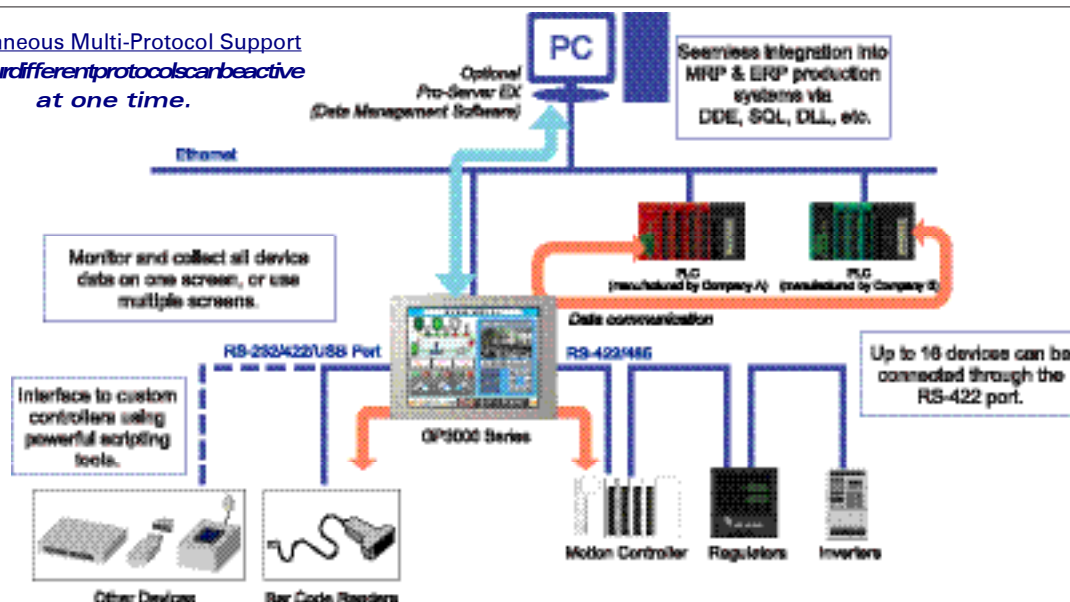
AGP-3750T(AC type) unit shown.

- ① Display
- ② Touch Panel
- ③ Status LED
- ④ Expansion Communication Feature Interface 1
- ⑤ 10/100 Base-T Ethernet interface (LAN) (RJ45)
- ⑥ USB Interface (Host)  
Conforms to USB1.1, (TYPE-A conn.) 2 ports for data transfer cable, USB-compatible printer, or barcode reader, etc. The maximum communication distance is 5m.

- ⑦ Optional Communication Module Interface 2
- ⑧ Audio/Video Input  
Microphone or camera interface.
- ⑨ Discrete Input/Output and Audio Output Interface  
Pluggable connector for External Reset, Alarm Output, Buzzer Output, and sound output.
- ⑩ CompactFlash Card Access LED  
This lamp will light when CF card is inserted and CF card cover is closed, or while accessing the CF card when the cover is opened.

- ⑪ Power Input Terminal Block  
Connect the power cable.
- ⑫ CompactFlash Access Cover  
The CF Card I/F and Dip Switches are located behind the access door. This cover must be closed when reading and writing to the CF Card.
- ⑬ Serial Interface (COM1)  
RS-232C/RS-422 serial interface. D-sub 9-pin plug type connector. Communication method is switched via software.
- ⑭ Serial Interface (COM2)  
RS-422/RS-485 (MPI 187kbaud) serial interface. D-sub 9-pin socket type connector.

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



## FUNCTIONAL SPECIFICATIONS

| Model      |                                | AGP3750-T1-AF                                                                                                                                                                                                              | AGP3750-T1-D24 |
|------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Display    | Type                           | TFT Color XGA LCD                                                                                                                                                                                                          |                |
|            | Colors                         | 65536 colors (no blink) / 16384 colors (3-speed blink)                                                                                                                                                                     |                |
|            | Backlight                      | User replaceable CCFL (Service life: 50,000 hrs. or more at 25°C (77°F) and 24 hrs. operation)                                                                                                                             |                |
|            | Resolution                     | 1024 x 768 pixels                                                                                                                                                                                                          |                |
|            | Brightness Control             | 8 levels of adjustment available via touch panel                                                                                                                                                                           |                |
| Memory     | Touch Panel                    | Resistive film analog 1024 x 1024 resolution                                                                                                                                                                               |                |
|            | Application                    | 8MB EEPROM                                                                                                                                                                                                                 |                |
|            | Data Backup                    | 320KB SRAM                                                                                                                                                                                                                 |                |
| Interfaces | 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 187.5 kbps)                                                                                                                               |                |
|            | Ethernet Interface             | Ethernet IEEE802.3, 10BASE-T/100BASE-TX, modular jack connector (RJ-45)                                                                                                                                                    |                |
|            | Communication Module Interface | For optional field networking communication modules                                                                                                                                                                        |                |
|            | USB Interface                  | 2 ports USB1.1, Host I/F, USB TYPE-A connector                                                                                                                                                                             |                |
|            | CF Card Interface              | 1 slot CompactFlash™, TYPE II                                                                                                                                                                                              |                |
|            | Sound Output                   | Speaker output 70mW (Rated Load: 8ohm, Frequency: 1kHz)                                                                                                                                                                    |                |
|            | Video Input Interface          | NTSC: 59.9Hz PAL: 50Hz Connector: RCA: 75Ω                                                                                                                                                                                 |                |
|            | Sound Input Interface          | MIC Input/LINE Input (Change with S/W) Connector: MINI-JACK φ3.5mm                                                                                                                                                         |                |
|            | AUX Input/Output               | AUX Discrete Output: Alarm Output, RUN Output, Buzzer Output, Rated: DC24V @ 50mA<br>AUX Discrete Input: Remote Reset Input, Rated: DC24V @ 6mA<br>Operating Voltage: ON State: DC9V or greater, OFF State: DC2.5V or less |                |

## GENERAL SPECIFICATIONS

|               |                              |                                                                                                                                                         |        |
|---------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Electrical    | Rated Voltage                | 100V AC to 240V AC                                                                                                                                      | 24V DC |
|               | Rated Voltage Range          | 85V AC to 265V AC                                                                                                                                       | —      |
|               | Power Consumption            | 100V AC 1.1A or less, 240V AC 0.7A 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)                                                                                                                            |        |
|               | 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 (100min.) |        |
| 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, cUL, UL Recognized CL 1 Div 2                                                                                                                       |        |
|               | External Dimensions          | W395mm [15.55in.] x H294mm [11.57in.] x D60mm [2.36in.]                                                                                                 |        |
|               | Weight                       | 5.6kg (12.3lb) or less                                                                                                                                  |        |



### POWERED BY:

Screen Editor  
**GP-Pro EX**

**HMI Development  
Software (v.1.10/higher)**

### ORDER NUMBER

AGP3750-T1-AF

AGP3750-T1-D24

### OPTIONAL ACCESSORIES

HMI-CAB-ETH

CA3-USBCB-01

CA3-DFS15-01

PLC Cables & Accessories

### DESCRIPTION

15" TFT Color LCD, USB, Ethernet, Serial HMI, Multimedia, AC powered

15" TFT Color LCD, USB, Ethernet, Serial HMI, Multimedia, DC powered

Ethernet Crossover Cable: HMI to PLC Ethernet port or to program HMI

USB download cable, PC USB port to AGP USB port

Overlay Screen Protection Sheets (5 sheets/pack)

See AGP3000 Connectivity Document

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**Customer Support Hotline:  
734-289-9266**