

PRO-FACE OPERATOR INTERFACES

PRODUCT DATASHEET



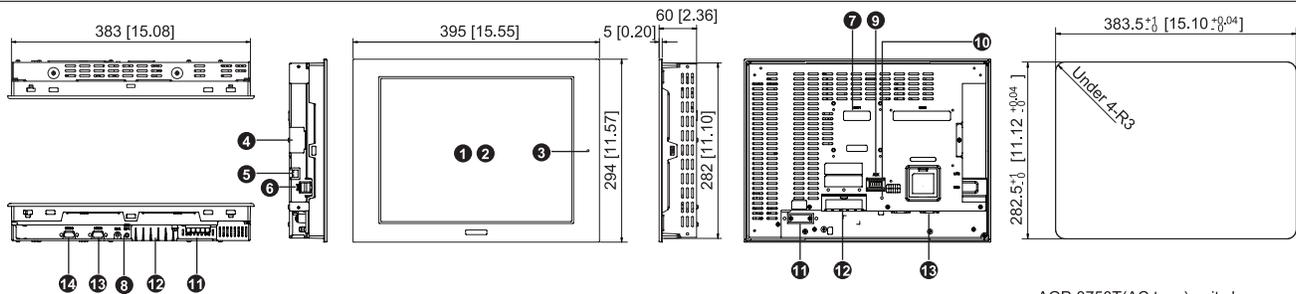
AGP3750-T1-AF
AGP3750-T1-D24



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



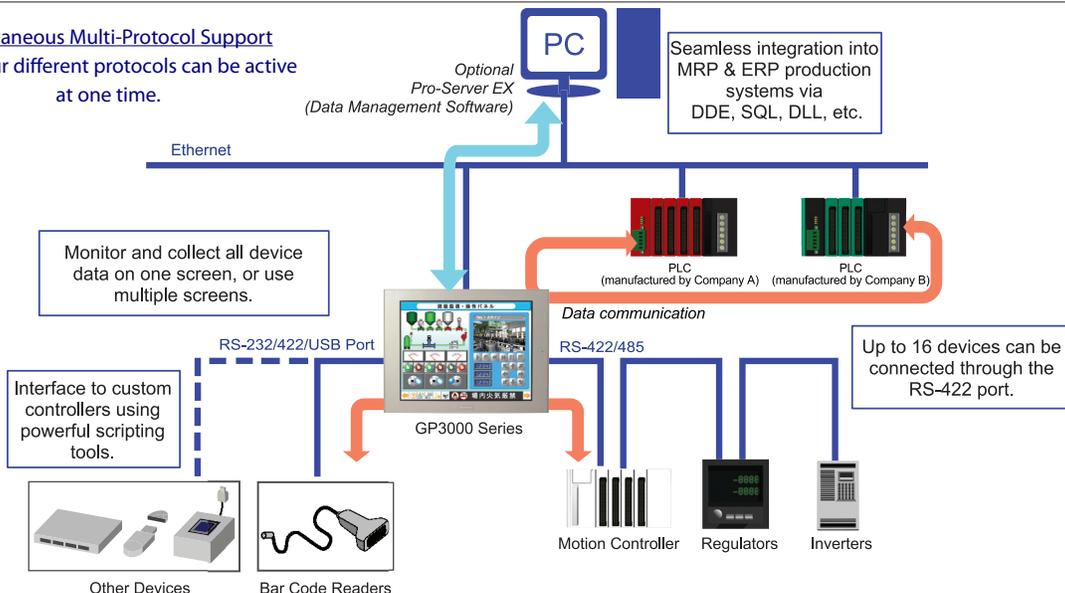
AGP-3750T(AC type) unit shown.

- 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 187kbps) 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	
Memory	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	
Interfaces	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 AUX Discrete Input: Remote Reset Input, Rated: DC24V @ 6mA 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 ² , 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 CI 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

DESCRIPTION

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

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-DFS15-01 Overlay Screen Protection Sheets (5 sheets/pack)
 PLC Cables & Accessories See AGP3000 Connectivity Document

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