



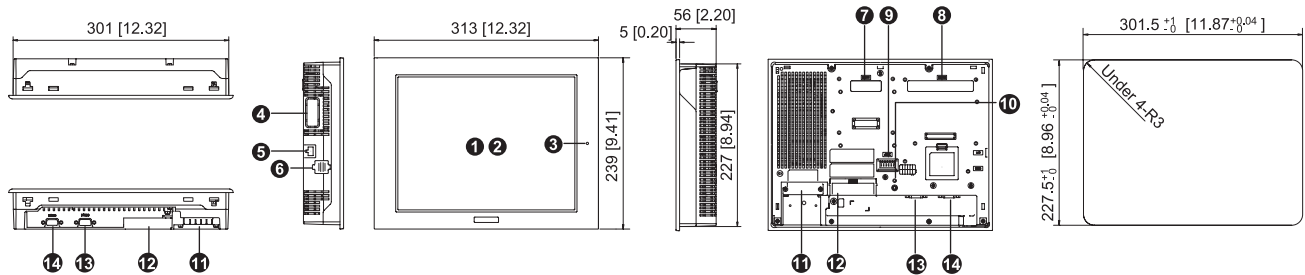
## AGP3600T TFT Color AC/DC HMI

**12.1" Multi-Port Operator Interface Touch Screen with Simultaneous Driver Support**

- 65,536 Color, Clear, Bright, High-Resolution LCD 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 Four Protocol Drivers Simultaneously
- High Speed Application Transfer, 10 Times Faster than Conventional Operator Interfaces
- 100 Base-T Ethernet, USB, Serial (MPI) and CompactFlash™ Communication Interfaces
- Audio Output, Alarm, Buzzer Remote Reset Interfaces
- Video Camera Support using Optional GP2000-VM41 Video Mix Module\*1

AGP3600-T1-AF   
 AGP3600-T1-D24

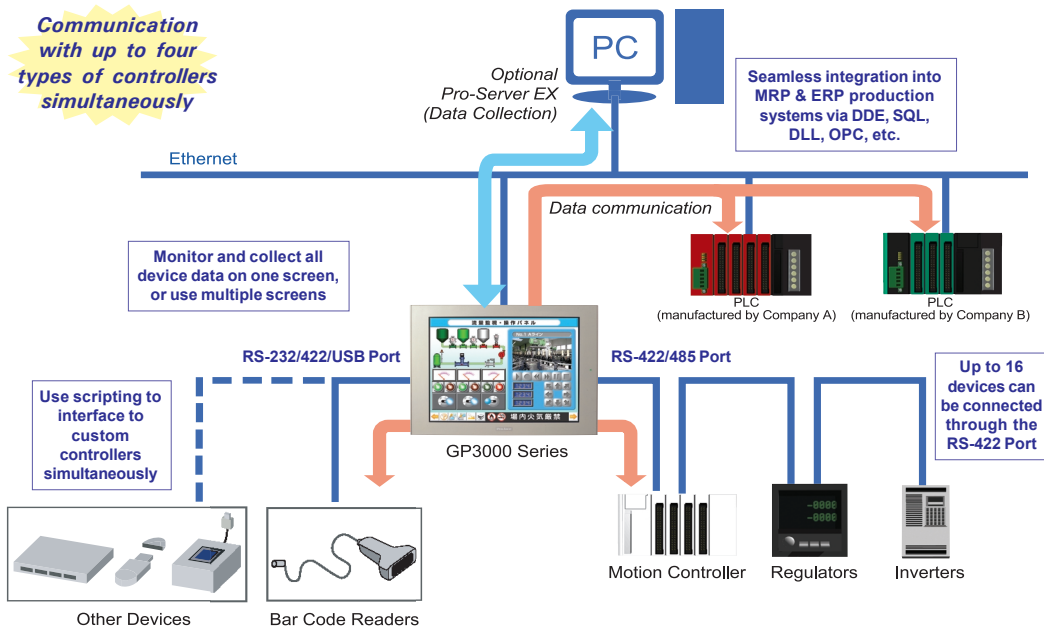
### PRODUCT OVERVIEW



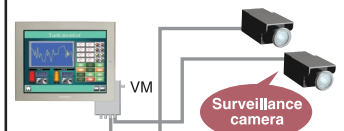
AGP-3600T(AC type) unit shown.

- 1 Display**
- 2 Touch Panel**
- 3 Status LED**
- 4 Expansion Communication Feature Interface 1**
- 5 10/100 Base-T Ethernet Feature (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 Optional Video Mix Module Interface**  
Support for optional GP2000-VM41 4-Channel video camera input and RGB remote monitor output.\*1
- 9 Auxiliary input/output /Audio Output Interface (AUX)**  
This interface is 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 to 12Mbps) serial interface. D-sub 9-pin socket type connector.

### COMMUNICATION CAPABILITY



**Optional Video Mix Unit: \*1 add up to 4 cameras for remote monitoring.**



Video images provide virtual on-site monitoring of line conditions.

\*1 Verify that GP-Pro EX software version supports this feature

# AGP3600T SPECIFICATIONS

## FUNCTIONAL SPECIFICATIONS

Model	AGP3600-T1-AF		AGP3600-T1-D24
Display	Type	TFT Color 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	800 x 600 pixels	
	Brightness Control	8 levels of adjustment available via touch panel	
Memory	Touch Panel	Resistive film analog 1024 x 1024 resolution	
	Application	8MB FEPRM	
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	
	Ethernet Interface	Ethernet IEEE802.3, 10BASE-T/100BASE-TX, modular jack connector (RJ-45)	
	Communication Module Interface	Interface port for future field networking solutions	
	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 Mix Interface	Support for optional GP2000-VM41 4-Channel Video camera input and RGB remote monitor with output. (Verify that your version of GP-Pro EX supports this feature.)	
	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	19.2V DC to 28.8V DC
	Power Consumption	100V AC 0.9A or less, 240V AC 0.45A or less	50W 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, UL, cUL Recognized	CE, CSA, UL Listed CI 1 Div 2
	External Dimensions	W313mm [12.31in.] x H239mm [9.41in.] x D56mm [2.20in.]	
	Weight	3.0kg (6.6lb) or less	

## CUTOUT COMPATIBILITY

Old model      Panel cutout dimensions      AGP3000 model

**16 Years of Cut-Out Compatibility!**

Size	301.5x227.5	
GP77R Series	GP577R Series	Drop-in replacement for GP2600, GP2500, and GP577R units
GP2000 Series	GP2600/01 Series GP2500/01 Series	
GP3000 Series	GP-3600 Series GP-3500(STN) Series	

## SOFTWARE COMPATIBILITY



**POWERED BY:**

Screen Editor

**GP-Pro EX**

**HMI Development Software**

## ORDERING INFORMATION

### ORDER NUMBER

AGP3600-T1-AF

AGP3600-T1-D24

### OPTIONAL ACCESSORIES

HMI-CAB-ETH

CA3-USBCB-01

CA3-DFS12-01

GP2000-VM41

PLC Cables

### DESCRIPTION

12.1" TFT, USB, Ethernet, Serial HMI, AC powered

12.1" TFT, USB, Ethernet, Serial HMI, 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)

Four-Channel Video Mix Unit (Verify support in your version of GP-Pro EX)

See PLC Cable List (Separate Datasheet)

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