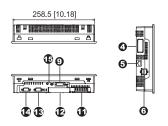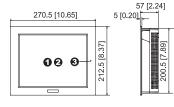**AGP3550-T1-AF**
AGP3560-T1-AF
CE CSA UL **RoHS**

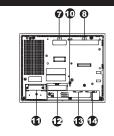# AGP3550T/3560T Advanced Multi-Media HMI

10.4" Multi-Port, Multi-Media Operator Interface Touch Screen with Simultaneous Driver Support, Video and Sound
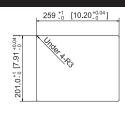
- 65,536 Colors, Clear, Bright, 640 x 480 and 800 x 600 Resolution, TFT Display
- 64-bit RISC 266Mhz CPU for Ultra Fast Screen Refresh and Data Sampling
- No Grid Analog Touch Panel for Improved Visibility and Precise Part Placement
- Supports Up to Four Protocol Drivers Simultaneously
- High Speed Application Transfer, 10 Times Faster Than Conventional Operator Interfaces
- 10 Base-T/100 Base-TX Ethernet, USB, Serial (MPI) and CompactFlash™ Communication Interfaces
- Includes Alarm, Buzzer Output, Remote Reset Input
- Direct Video and Audio Input Ports, Plus Audio Output
- Remote Video Monitoring Via Optional 4-Channel GP2000-VM41 Video Mix Unit

PRODUCT OVERVIEW

AGP-3500T (AC Type) Unit Shown.

❶ Display

❷ Touch Panel

❸ Status LED

❹ Expansion Communication Feature Interface 1

❺ 10 Base-T/100 Base-TX Ethernet Interface (LAN) (RJ45)

❻ USB 1.1 Type A Interface (Host)
Conforms to USB1.1. (TYPE-A conn.) Connects a data transfer cable, USB-compatible printer, or barcode reader, etc. The maximum commication distance is 5m.

❼ Optional Communication Module Interface 2

❽ Optional Video Mix Module Interface
Support for optional GP2000-VM41 4-Channel video camera input and RGB remote monitor output.

❾ Auxiliary I/O Interface (AUX)
This Interface is External Reset, Alarm Output, Buzzer Output, and sound output.

❿ CF 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.

⓫ Power Input Terminal Block
Connect the power cable.

⓬ CF Card Cover
The CF Card I/F and Dip Switches are located behind the access door. This cover must be closed when reading and writing the CF Card.

⓭ Serial Interface (COM1)
RS-232C/RS-422/RS-485 serial interface. D-sub 9-pin plug type connector. Communication method is switched via software.
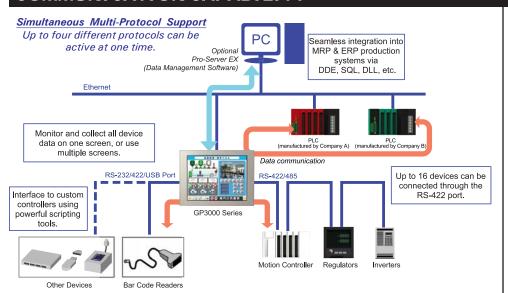
⓮ Serial Interface (COM2)
RS-422/RS-485 (MPI 187.5kbps) serial interface. D-sub 9-pin socket type connector.
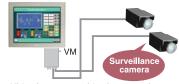
⓯ Audio/Video Input
Microphone or camera interface.

COMMUNICATION CAPABILITY

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

Monitor and collect all device data on one screen, or use multiple screens.

Interface to custom controllers using powerful scripting tools.

Optional Pro-Server EX (Data Management Software)

Seamless integration into MRP & ERP production systems via DDE, SQL, DLL, etc.

Up to 16 devices can be connected through the RS-422 port.

Remote Video Monitoring
Add up to four additional cameras using optional GP2000-VM41 Video Mix Unit

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

Applications
- Inline Process Monitoring
- Machine Safety
- Security

Pro-face®
XYCOM™

AGP3550T/3560T SPECIFICATIONS

FUNCTIONAL SPECIFICATIONS

Model		AGP3550-T1-AF	AGP3560-T1-AF
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	640 x 480 pixels	800 x 600 pixels
	Brightness Control	8 levels of adjustment available via touch panel	
	Touch Panel	Resistive film analog 1024 x 1024 resolution	
Memory	Application	8MB FEPROM	
	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 Direct 187.5 kbps)	
	Ethernet Interface	Ethernet IEEE802.3, 10BASE-T/100BASE-TX, modular jack connector (RJ-45)	
	Expansion Unit Interface	Interface port for future field networking solutions	
	USB Interface	2 ports USB1.1, USB TYPE-A connector	
	CF Card Interface	1 slot CompactFlash™, TYPE II	
	Sound Output	Speaker ouput 70mW (Rated Load: 8 ohm, Frequency: 1kHz)	
	Video Mix Interface	Support for optional GP2000-VM41 4-Channel Video camera input and RGB remote monitor with output.	
	Video Input Interface	NTSC: 59.9Hz PAL: 50Hz Connector: RCA: 75 ohms	
	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
	Rated Voltage Range	85V AC to 265V AC
	Power Consumption	100V AC 0.9A or less, 240V AC 0.45A 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, CSA, UL, cUL recognized (Cl 1 Div 2), RoHS compliant
	External Dimensions	W270.5mm[10.65in.] x H212.5mm [8.37in.] x D57mm [2.24in.]
	Weight	2.7kg (5.9 lb) or less

CUTOUT COMPATIBILITY

16 Years of Cut-Out Compatibility

Old model

AGP3000 model "Drops in"

Investment Protection

Panel cutout dimensions

Size Series name	301.5x227.5 mm	259x201 mm
GP77R Series	GP577R Series	GP-477R EL
GP2000 Series	GP2600/01 GP2500/01 Series	—
AGP3000 Series	GP-3600 GP-3500 Series (STN or Mono)	GP-3500* Series(TFT)

*Note: Drop-in replacement for GP477R EL Model.
To mount in a GP2500 cut-out, an adapter plate is required.

SOFTWARE COMPATIBILITY

POWERED BY:

Screen Editor
GP-Pro EX

HMI Development Software (V.1.10/higher)

ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION
AGP3550-T1-AF	10.4", 640 x 480 TFT, 2 Serial, 2 USB, Sound, Video, Ethernet, 100VAC to 240VAC
AGP3560-T1-AF	10.4", 800 x 600 TFT, 2 Serial, 2 USB, Sound, Video, Ethernet, 100VAC to 240VAC
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
CA5-DFS10-01	Overlay Screen Protection Sheets (5 sheets/pack)
CA4-ATM10-01	Panel Adapter Plate for mounting AGP3500T in a GP2500 Cut-out
PLC Cables & Accessories	*See AGP3000 Connectivity Document*

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