



# 10.4" Multi-Port Operator Interface



**TouchPanel  
Operation**



10.4-inch TFT Color Multi-port Operator Interface

**AGP35x0T**

Model: AGP3500-T1-D24, AGP3500T-T1-AF, AGP3510T-T1-AF

Powered by **GP-Pro EX** Screen Editor

AC / DC 24V

VGA/SVGA





10.4

in

VM Unit

CF Card

Ethernet

## Features:

- 65,536 Colors, Clear, Bright, 640 x 480 or 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
- Audio Output, Alarm, Buzzer Remote Reset Interfaces
- Video Camera Support using Optional GP3000-VM01 Video Mix Module

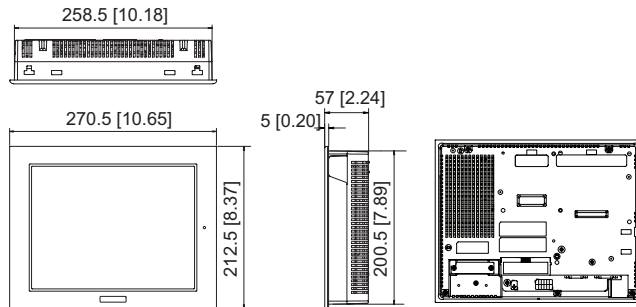
## Specifications

Model	AGP3500-T1-AF	AGP3500-T1-D24	AGP3510-T1-AF
Graphics Display Resolution	640 x 480 pixels		800 x 600 pixels
Display Type and Size	TFT Color LCD (10.4 inch)		
Display Colors	65,536 Colors		
Display Area	211.2mm[8.31in.] x 158.4mm[6.24in.]		
Touch Screen	Resistive film analog 1024 x 1024 resolution		
USB	2 ports USB1.1, USB TYPE-A connector		
CF Card	1 slot CompactFlash™, TYPE II		
Serial	COM 1: RS-232C/422/485 configurable, 9 pin D-sub plug, Data Transmission Speed: 2400 to 115.2 kbps COM 2: RS-422/485, 9 pin D-sub socket, Data Transmission Speed: 2400 to 115.2 kbps (MPI Direct 187.5 kbps)		
Ethernet	Ethernet IEEE802.3, 10BASE-T/100BASE-TX, modular jack connector (RJ-45)		
Backlight	User replaceable CCFL (Service life: 54,000 hrs. or more at 25°C (77°F) and 24 hrs. operation)		
Brightness and Contrast Controls	8 levels of adjustment available via touch panel		
Programming Memory	8MB FEPRAM (< Rev 4), 16MB (Rev 4 and up, using GP-Pro EX V2.6 or later)		
Backup Memory	320kb SRAM with battery backup		
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		
Sound Output	Speaker output 70mW (Rated Load: 8ohm, Frequency: 1kHz)		

## General Specifications

Input Voltage	100V AC to 240V AC	DC24V (Rated voltage DC19.2 to 28.8V)	100V AC to 240V AC
Power Consumption	100V AC 0.9A or less (typical 0.58A), 240V AC 0.45A or less (typical 0.26A)	DC24V 2.08A or less (typical 1.22A)	100V AC 0.9A or less (typical 0.58A), 240V AC 0.45A or less (typical 0.26A)
Ambient Operating Temp.	0°C (32°F) to 50°C (122°F)		
Storage Temperature	-20°C (-4°F) to 60°C (140°F)		
Altitude Endurance	800hPa to 1114hPa (2000 meters or lower)		
Certifications	CE, CSA, UL Listed Cl 1 Div 2, RoHS, ATEX		
Humidity - Ambient/Storage	10%RH to 90%RH (non-condensing, wet bulb temperature: 39°C (102°F) or less)		
Noise Immunity	Noise Voltage: 1500Vp-p Pulse Duration: 1µs Arise Time: 1ns		
Cooling Method	Natural air circulation		
Electrostatic Discharge Immunity	6kV (complies with EN 61000-4-2 Level 3)		
Vibration 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.)		
Shock during operation	EN/IEC 60068-2-2 compliant, 147m/Sec, 11msec (Approx. 15G), 3 shocks to 3 direction/ axis		
Rating	Equivalent to IP65f, Nema #250 Type 4x/13 (Equivalent to NEMA 12 with the addition of "Oil or Spraying and Splashing")		
Weight	1.8kg (4.0lb) or less		
External Dimensions	W270.5mm[10.65in.] x H212.5mm[8.37in.] x D57mm[2.24in.]		
Warranty	Two-year standard (maximum 4 years)		

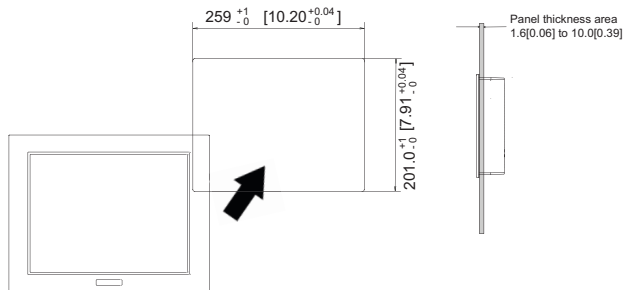
### AGP35x0T - External Dimensions



AGP-3500T (AC Type) Unit Shown.

### AGP35x0T - Cut-Out Dimensions

Unit: mm [in.]



### Ordering Information

Part Number	Description
AGP3500-T1-AF	10.4" TFT, USB, Ethernet, Serial HMI, 100VAC to 240VAC
AGP3500-T1-D24	10.4" TFT, USB, Ethernet, Serial HMI, 24VDC
AGP3510-T1-AF	10.4" 800 X 600 TFT, USB, Ethernet, Serial HMI, 100VAC to 240VAC

### Optional Items

Part Number	Product Name
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	Screen Protection Sheet (5 sheets/set)
GP-Pro EX (EX-ED-Vx)	Screen and Logic Development Software
PLC Cables & Accessories	See AGP3000 Connectivity Document

**Caution:** Before operating any of these products, please be sure to read all related manuals thoroughly.

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### Cut-Out Compatibility

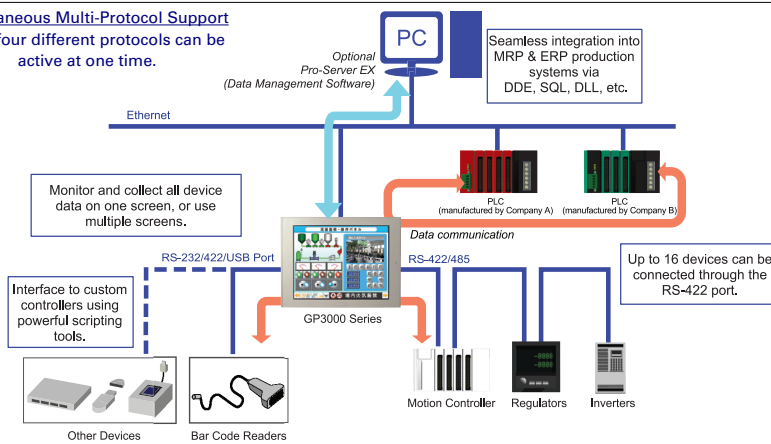


#### Panel cutout dimensions

Series name	Size mm
GP77R Series	GP470/477R Series
GP2000 Series	----
GP3000 Series	GP35x0T Series

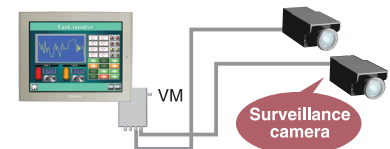
### Simultaneous Multi-Protocol Support

Up to four different protocols can be active at one time.



### Remote Video Monitoring

Add up to four additional cameras using optional GP3000-VM01 Video Mix Unit



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

#### Applications

- Inline Process Monitoring
- Machine Safety
- Security

### Pro-face America

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DS-AGP3500T\_3510T(C)

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For more information

ACCESS

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Human Machine Interface