

10.4" Advanced HMI with Control - AGP3500-CA1M with Built-in CANopen Master



TouchPanel Operation

12.1-inch TFT Color LCD
Fan-less, Diskless HMI with Control

AGP3500

Model: AGP3500-T1-D24-CA1M,
AGP3500-T1-AF-CA1M,
AGP3510-T1-AF-CA1M

CPU: 64-bit RISC 266Mhz

Powered by
Screen Editor
GP-Pro EX

DC24V
AC100/240V
VGA/SVGA

10.4-inch

UL LISTED, SP, UL US, CE, RoHS

Features:

- Connect up to 63 CANopen Devices, including Pro-face EXM I/O to the built-in CANopen Master Controller
- 65,536 color, clear, bright, 640 x 480 or 800 x 600 resolution TFT color LCD display
- 64-bit RISC 266Mhz CPU for ultra fast screen refresh and data sampling and Logic execution
- No grid analog touch panel for improved visibility and precise part placement
- Supports up to four protocol drivers (Serial or Ethernet) simultaneously
- 100 Base-T Ethernet, USB, Serial (MPI) and CompactFlash™ Communication Interfaces
- Remote connections supported using Pro-Server EX, Web Server, FTP Server and GP-Viewer EX
- Supports up to 4 live video inputs (using optional video module)

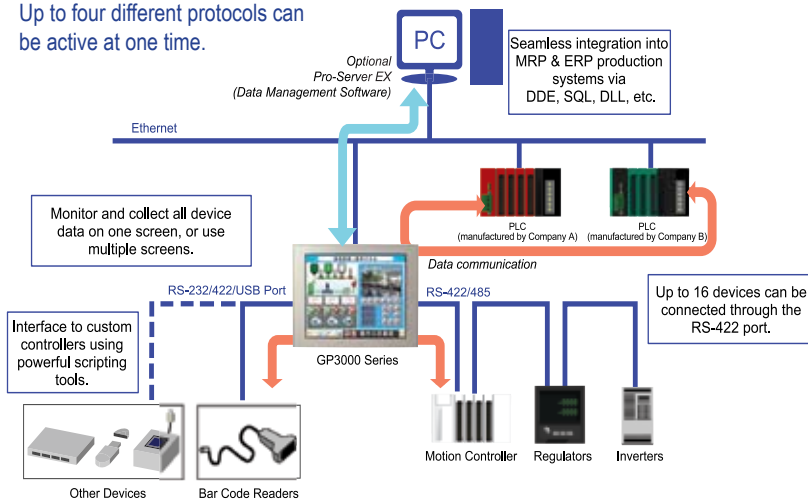
Performance Specifications				
Model	AGP3500-T1-D24-CA1M	AGP3500-T1-AF-CA1M	AGP3510-T1-AF-CA1M	
Display	Type	10.4" TFT Color LCD		
	Colors	65K colors		
	Backlight	CCFL (service life: 50,000 hrs. at 25°C and 24hr. operation)		
	Resolution	640 x 480 pixels (VGA)	800 x 600 pixels (SVGA)	
	Brightness Adjustment	8 levels of adjustment available via touch panel		
	Contrast Adjustment	not applicable		
	Touch Panel	Resistive Film (Analog) 1024 x 1024		
Memory	Application	8MB Flash EPROM		
	Data Backup	320KB SRAM (with lithium backup battery)		
Interfaces	Serial (COM1) Interface	RS-232C/422/485, 9 pin D-sub plug, Speed: 2400 to 115.2 kbps		
	Serial (COM2) Interface	RS-422/485, 9 pin D-sub socket, Speed: 2400 to 115.2 kbps & 187.5Kbps (MPI)		
	Ethernet Interface	Ethernet IEEE802.3, 10BASE-T / 100BASE-TX, RJ45		
	USB Interface	2 ports USB 1.1 (Host), Type A		
	CF Card Interface	1x Compact Flash Card Slot (Type-II)		
	Controller Interface	Built In CANopen (DS301) Master controller connects to up to 63 CANopen Slave devices. Speed: 50kbps - 1Mbps. Up to 256 each Discrete Input/Output, Up to 64 each Analog/Integer Input/Output. Connect to Pro-face EXM I/O or 3rd party CANopen Slave Devices Supported Message Types: PDO (252 RPDO, 252 TPDO), SDO, NMT, SYNC, EMT		
	AUX Input/Output	AUX Discrete Output: Alarm Output, RUN Output, Buzzer Output, Rated: DC24V AUX Discrete Input: Remote Reset Input, Rated: DC24V @ 6mA Operating Voltage: ON State: DC9V or greater, OFF State: DC2.5V or less		

General Specifications			
Models	AGP3500-T1-D24-CA1M	AGP3500-T1-AF-CA1M	AGP3510-T1-AF-CA1M
Input Voltage	24V DC	100V AC - 240V AC	
Rated Voltage	19.2V DC to 28.8V DC	85V AC - 265V AC	
Power Consumption	2.08A or less (1.22A typical)	100V AC 0.90A or less (0.58A typical), 240V AC 0.45A or less (0.29A typical)	
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 above sea level or lower)		
Vibration & Shock Resistance	*IEC/EN61131-2 compliant 5 to 9 Hz single-amplitude 3.5 mm [0.14 in.] 9 to 150 Hz constant-accelerated velocity 9.8 m/s² X,Y,Z directions for 10 cycle (100 minute)*		
Ratings	Equivalent to IP65f, Nema #250 Type 4x/13		
Certifications	UL/c-UL Listed, CSA (UL508, UL1604 Class 1, Div 2, CSA-C22.2 No.142), CE EN55011 Class A, EN6100-6-2, RoHS*		
External Dimensions	W 270.5mm [10.65in] X H 212.5mm [8.37in] X D 57mm [2.24in]		
Weight	2.7kg [5.9lb]		
Warranty	Two-year standard		

Communication Capability

Simultaneous Multi-Protocol Support:

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



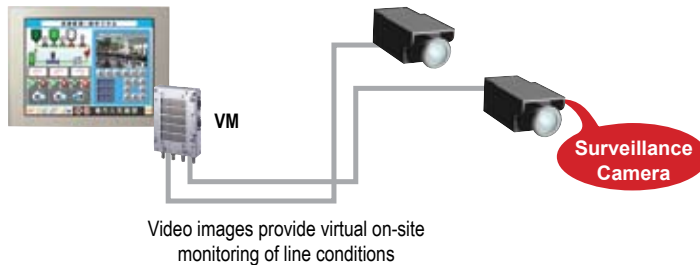
Remote Video Monitoring

Remote Video Monitoring:

Add up to four additional cameras using optional GP2000-VM41 or GP3000-VM01 Video Mix Unit

Applications:

- In-line Process Monitoring
- Machine Safety
- Security



Cut-Out Compatibility

Over 16 Years of Cutout Compatibility!



Old model



Panel cut-out dimensions

Series	Size (mm)	301.5x227.5 mm	259x201 mm
GP77R Series	GP377R Series	GP477R-EL Series	
GP2000 Series	GP2600/01 GP2500/01 Series		
AGP3000 Series	GP-3600 GP-3500 Series (STN or Mono)	GP-3500* Series (TFT)	



AGP3000 model "Drop-in"

Cutout Compatible for:
GP470,
GP477R

*Adapter (CA4-ATM10-01) available for cutout compatibility with: GP570, GP577R, GP2500, GP2600, GLC2500 and GLC2600

Ordering Information

Part Number	Description
AGP3500-T1-D24-CA1M	10.4" TFT (VGA), 2 Serial, 2 USB, Ethernet, CANopen Master, 24V
AGP3500-T1-AF-CA1M	10.4" TFT (VGA), 2 Serial, 2 USB, Ethernet, CANopen Master, 100-240AC
AGP3510-T1-AF-CA1M	10.4" TFT (SVGA), 2 Serial, 2 USB, Ethernet, CANopen Master, 100-240AC

Optional Items

Part Number	Product Name
HTB1CODM9LP	CANopen Slave Module for up to 7 EXM Modules (with built in 12pt Input / 6pt Output)
EXM-DDI8DT	Ex Module (8 Points Input)
EXM-DDI16DT	Ex Module (16 Points Input)
EXM-DRA8RT	Ex Module (8 Points Relay Output)
EXM-DRA16RT	Ex Module (16 Points Relay Output)
EXM-DDO8UT	Ex Module (8 Points Sink Output)
EXM-DDO8TT	Ex Module (8 Points Source Output)
EXM-DDO16UK	Ex Module (16 Points Sink Output)
EXM-DDO16TK	Ex Module (16 Points Source Output)
EXM-DMM8DRT	Ex Module (4 Points Input/4 Points Relay Out)
EXM-AMI2HT	Ex Module (2ch Analog Input)
EXM-ALM3LT	Ex Module (2ch Temp. Input/1ch Analog Out)
EXM-AMM3HT	Ex Module (2ch Analog Input/1ch Analog Out)
EXM-AMO1HT	Ex Module (1ch Analog Output)
Video Input Module	Visit our web site for RCA, DVI and RGB video modules
CA5-DFS10-01	10.4" Touch Screen Protection Sheet (Qty 5) AGP35"0/35"0 TFT only
CA4-ATM10-01	Adapter available for cutout compatibility with: GP570, GP577R, GP2500, GP2600, GLC2500 and GLC2600
CA-CABLE-010M	CANopen Cable, No connectors, 10 Meters
CA-CABLE-050M	CANopen Cable, No connectors, 50 Meters
CA-CABLE-100M	CANopen Cable, No connectors, 100 Meters
CA-CN90-TRM	CANopen, 9Pin DSub, 90° with Term. Switch
CA-CN00-TRM	CANopen, 9Pin DSub, 180° with Term. Switch
HMI-CAB-ETH	Ethernet Crossover Cable
CA3-ATFALL-01	Mounting Fasteners

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

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