

12.1" Advanced HMI with Control - AGP3600-CA1M with Built-in CANopen Master



TouchPanel Operation

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

AGP3600

Model: AGP3600-T1-D24-CA1M,
AGP3600-T1-AF-CA1M

CPU: 64-bit RISC 266Mhz

DC24V
AC100/240V
SVGA

12.1-inch

Powered by
Screen Editor
GP-Pro EX

UL LISTED, SP, UL US, CE, Ro

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, high-resolution 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		AGP3600-T1-D24-CA1M, AGP3600-T1-AF-CA1M
Display	Type	12.1" TFT Color LCD
	Colors	65K colors
	Backlight	CCFL (service life: 50,000 hrs. at 25°C and 24hr. operation)
	Resolution	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

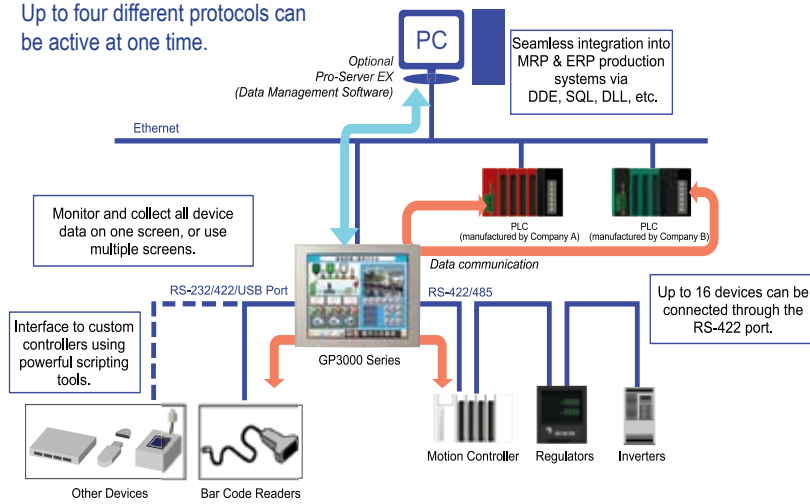
General Specifications

Model		AGP3600-T1-D24-CA1M	AGP3600-T1-AF-CA1M
Electrical	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 (1.30A typical)	100V AC 0.90A or less (0.55A typical) 240V AC 0.45A or less (0.30A typical)
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 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)*	
Structural	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 313mm [12.32in] X H 239mm [9.41in] X D 56mm [2.20in]	
	Weight	3.2kg [7.0lb]	
	Warranty	Two year standard	

Communication Capability

Simultaneous Multi-Protocol Support:

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



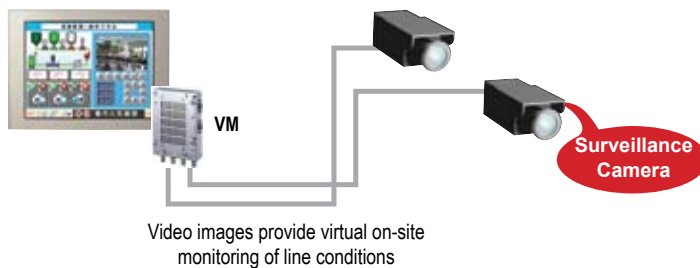
Remote Video Monitoring

Remote Video Monitoring:

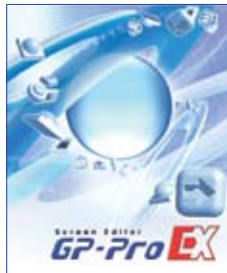
Add up to four additional cameras using optional GP2000-VM41 Video Mix Unit

Applications:

- In-line Process Monitoring
- Machine Safety
- Security



Software Compatibility



Powered by
Screen Editor
GP-Pro EX

HMI Development Software

(Version 2.20 or newer)

Ordering Information

Part Number	Description
AGP3600-T1-D24-CA1M	12.1" TFT, 2 Serial, 2 USB, Ethernet, CANopen Master, 24VDC
AGP3600-T1-AF-CA1M	12.1" TFT, 2 Serial, 2 USB, Ethernet, CANopen Master, 100-240AC

Optional Items

Part Number	Product Name
HTB1C0DM9LP	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-DMM8DRRT	Ex Module (4 Points Input/4 Points Relay Out)
EXM-AM12HT	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
CA3-DFS12-01	12.1" Touch Screen Protection Sheet (Qty 5) AGP3600/3650 units
EX-ED-Vxx	Screen Editor Software
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
CA3-USBCB-01	USB Download Cable
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.

- All product names used in this document are trademarks or registered trademarks of their respective companies.
- All information contained in this document is subject to change without notice.

Cutout Compatible for: GP570, GP577R, GP2500, GP2600, GLC2500, GLC2600



CANopen Slave Module



Video Input Module

Pro-face America

Phone: 734.429.4971

Fax: 734.429.1010

www.profaceamerica.com

Customer Service Hotline: 734.944.0482

For more information

ACCESS www.profaceamerica.com

Pro-face
Your HMI and Industrial PC Authority