

# 7.5" Advanced HMI with Control - AGP3400-CA1M with Built-in CANopen Master



**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

**Performance Specifications**

Model		AGP3400-S1-D24-CA1M	AGP3400-T1-D24-CA1M
Display	Type	7.5" STN Color LCD	7.5" TFT Color LCD
	Colors	4096 colors	65K colors
	Backlight	CCFL (service life: 50,000 hrs. at 25°C and 24hr. operation)	
	Resolution	640 x 480 pixels (VGA)	
	Brightness Adjustment	8 levels of adjustment available via touch panel	
	Contrast Adjustment	8 levels of adjustment available via touch panel	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	1 port 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	

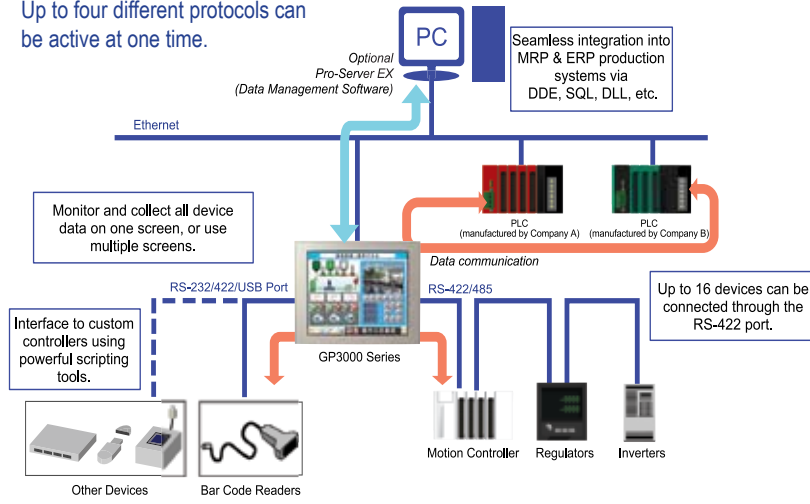
**General Specifications**

Model		AGP3400-S1-D24-CA1M, AGP3400-T1-D24-CA1M
Electrical	Input Voltage	24V DC
	Rated Voltage	19.2V DC to 28.8V DC
	Power Consumption	28W 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 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 215mm [8.46in] X H 170mm [6.69in] X D 60mm [2.36in]
	Weight	2.0kg [4.4lb]
	Warranty	Two year standard

### Communication Capability

#### Simultaneous Multi-Protocol Support:

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



### Ordering Information

Part Number	Description
AGP3400-S1-D24-CA1M	7.5" STN, 2 Serial, 1 USB, Ethernet, CANopen
AGP3400-T1-D24-CA1M	7.5" TFT, 2 Serial, 1 USB, Ethernet, CANopen Master, 24VDC

### 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-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)
PS400-DF00	AGP3400, AGP3450, GP2400/01, GLC2400, QPG-CTDE-0000 Touch Screen Protection Sheet (Qty 5)
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

\*1 Standard attachment for all models.  
\*2 Not installed with operating system.

**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.

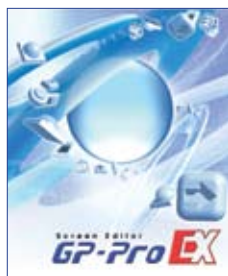
### Cut-Out Compatibility

#### Over 16 Years of Cut-out Compatibility!

Series	Size (mm)
GP77R Series	204.5x159.5 mm
GP2000 Series	GP2400/01 Series
AGP3000 Series	GP-3400 Series

Cut-out compatible with:  
GP2400,  
GLC2400

### Software Compatibility



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

**HMI Development Software**

(Version 2.20 or newer)



CANopen Slave Module



Screen Protection Sheet

**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](http://www.profaceamerica.com)

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