

PRO-FACE OPERATOR INTERFACES

PRODUCT DATASHEET



AGP3200 Advanced HMI

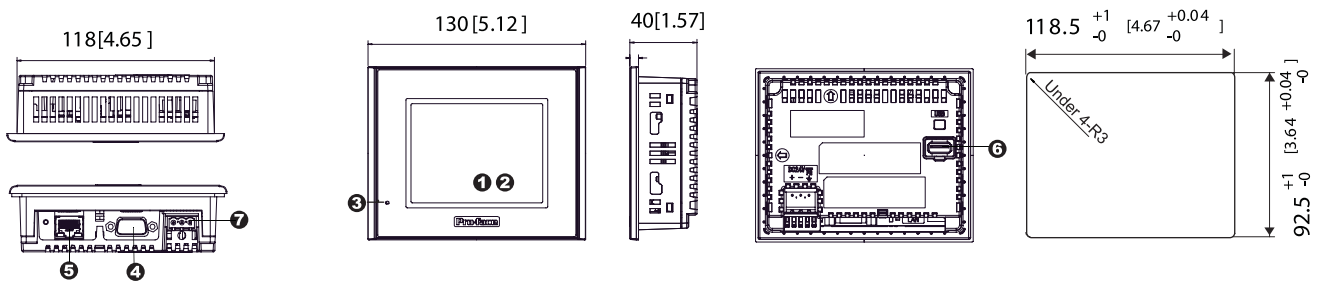
3.8" Multi-Port Operator Interface Touch Screen with Simultaneous Driver Support

- AGP3200A Amber/Red LCD, and AGP3200T 256 Color, Clear, Bright, Compact TFT 3.8-inch Displays
- High Performance CPU for Ultra Fast Screen Refresh and Data Sampling
- No Grid Analog Touch Panel for Improved Visibility and Precise Part Placement
- Supports Up to Two Protocol Drivers Simultaneously
- High Speed Application Transfer
- 10 Base-T/100 Base-TX Ethernet, USB, Serial (MPI) Communication Interfaces
- High-Definition Part Images and Multi-Language Support

AGP3200-T1-D24
AGP3200-A1-D24



PRODUCT OVERVIEW



① Display

② Touch Panel

③ Status LED

④ Serial Interface (COM1)

RS232C/RS422/RS485 serial interface. D-sub 9-pin plug type connector. Communication method is switched via software.

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

⑥ USB Interface (Host)

Conforms to USB 1.1. (TYPE-A conn.) for data transfer cable, USB-compatible printer, or barcode reader, etc. The maximum communication distance is 5m.

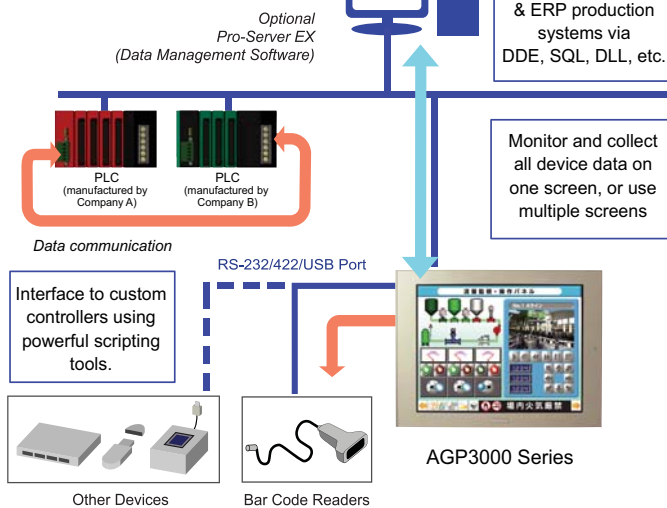
⑦ Power Connector

24V DC pluggable three terminal screw.

COMMUNICATION CAPABILITY

Simultaneous Multi-Protocol Support

Up to 2 different protocols can be active at one time.



SERIAL CONNECTIVITY

Serial Interface (COM 1): User Configurable

When configured as RS-232C serial interface

Pin Connection	Pin No.	Signal Name	Direction	Meaning
(GP unit side)	1	CD	Input	Carrier Detect
	2	RD(RXD)	Input	Receive Data
	3	SD(TXD)	Output	Send Data
	4	ER(DTR)	Output	Data Terminal Ready
	5	SG	-	Signal Ground
	6	DR(DSR)	Input	Data Set Ready
	7	RS(RTS)	Output	Request to Send
	8	CS(CTS)	Input	Send Possible
	9	CI(RI)/VCC	Input/-	Called status display +5V±5% Output 0.25A
Shell	FG	-	Frame Ground (Common with SG)	

When configured as RS-422/RS-485 serial interface

Pin Connection	Pin No.	Signal Name	Direction	Meaning
(GP unit side)	1	RDA	Input	Receive Data A(+)
	2	RDB	Input	Receive Data B(-)
	3	SDA	Output	Send Data A(+)
	4	ERA	Output	Data Terminal Ready A(+)
	5	SG	-	Signal Ground
	6	CSB	Input	Send Possible B(-)
	7	SDB	Output	Send Data B(-)
	8	CSA	Input	Send Possible A(+)
	9	ERB	Output	Data Terminal Ready B(-)
Shell	FG	-	Frame Ground (Common with SG)	



AGP3200 SPECIFICATIONS

FUNCTIONAL SPECIFICATIONS

Model		AGP-3200A	AGP-3200T
Display	Type	Amber LCD	TFT Color LCD
	Colors	Amber/Red (8 shades)	256 Colors (No blink) 64 Colors (3 speed blink)
	Backlight	Maintenance free LED back lit	
	Resolution	320x240 pixels, QVGA	
	Brightness Control	16 levels of adjustment available via touch panel	
	Touch Panel	Resistive Film (analog) 1024 x 1024 resolution	
	Effective Display Area (mm)	W78.8mm[3.10in] X H59.6mm[2.35in]	
	Contrast Control	8 levels of adjustment available via touch panel	N/A
	Character Sizes	8x8, 8x16, 16x16, 32x32 dot fonts, Windows based image fonts: 6 to 127 dot fonts	
Font Sizes	Width can be expanded up to 8 times. Height can be expanded up to 8 times*1		
Memory	Memory - Application	FLASH EPROM 6MB	
	Memory - Data Backup	Lithium battery backup	
Interfaces	Serial (COM 1) Interface	RS232C/RS422/RS485 configurable, 9-pin D-sub, Data Transmission Speed: 2400 to 115.2 kbps, MPI Direct: 187.5Kbps	
	Ethernet Interface	IEEE 802.3u, 10BASE-T/100BASE-TX, modular jack connector (RJ-45)	
	USB Interface	1 Port, USB1.1.(TYPE-A conn.)	

GENERAL SPECIFICATIONS

Electrical	Rated Voltage	24V DC
	Rated Voltage Range	19.2V DC to 28.8V DC
	Power Consumption	13W (max.)
Environmental	Ambient Operating Temp.	0 to +50°C*1
	Storage Temperature	-20 to +60°C
	Humidity	10 to 90% RH (Wet bulb temperature: 39°C max. - no condensation)
	Altitude Operation	800 to 1114hPa (2,000 meters above sea-level and below)
Structural	Vibration & Shock Resistance	IEC61131-2 compliant, 5 to 9Hz single-amplitude 3.5mm, 9 to 150Hz constant-accelerated velocity 9.8m/s ² , X,Y,Z directions for 10 cycle (100 minute)
	Ratings	CE, CSA, UL, cUL Listed CI 1 Div 2, ROHS compliant
	Certifications	Equivalent to IP65f, Nema #250 Type 4x/13 (Equivalent to NEMA 12 with the addition of "Oil or Coolant Spraying and Splashing")
	External Dimensions	W130.0mm [5.12in] X H104.0mm [4.09in] X D40.0mm [1.57in]
	Weight	0.4kg (0.9lb) max. (unit only)

CUT-OUT COMPATIBILITY

16 Years of Cut-Out Compatibility



Old model



Panel cutout dimensions



AGP3200 model
"Drop-in"

Size (mm)	118.5 x 92.5
Series	mm
ST40 Series	ST400/ ST401/ ST402/ ST403 Series
AGP3000 Series	AGP3200 Series

**Investment
Protection**

SOFTWARE COMPATIBILITY



POWERED BY:

Screen Editor
GP-Pro EX

HMI Development

ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION
AGP3200-A1-D24	3.8" Amber LCD, Ethernet, USB, RS232C/RS422/RS485, 24V DC
AGP3200-T1-D24	3.8" TFT LCD, Ethernet, USB, RS232C/RS422/RS485, 24V DC

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
CA6-DFS4-01	Overlay Screen Protection Sheets (5 sheets/pack)
CA3-ATFALL-01	Installation mounting fasteners (included with this unit)
PLC Cables & Accessories	See AGP3000 Connectivity Document

Xycom Automation
Ph: 734-429-4971
Fax: 734-429-1010
<http://www.xycom.com>

Customer Support Hotline:
734-944-0482



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