Pro-face
Your HMI and Industrial PC Authority

Datasheet

3.4” Compact HMI with TouchPanel - AGP4100 Series

TouchPanel Operation

3.4-inch
Fan-less, Diskless Compact HMI

AGP4100

DC24V
200x80 Pixels
3.4-inch

Model: AGP4105-G1-D24, AGP4105-W1-D24,
AGP4106-G1-D24, AGP4106-W1-D24
AGP4107-G1-D24, AGP4107-W1-D24

CPU: 64-bit RISC 133Mhz

Powered by
Screen Editor GP-Pro EX

LISTED

* AGP4105 / AGP4106

Features:

- Crisp, clear and bright, 200 x 80 resolution Monochrome LCD Display
- No Grid Analog Touch Panel for improved visibility and precise part placement
- Touch Panel operation with in a text panel replacement form factor
- Energy efficient, maintenance free LED backlight
- G1 models have a Green display supporting event based change to Orange/Red to alert operators
- W1 models have a White display supporting event based change to Pink/Red to alert operators
- 2 USB ports, plus one Serial Interface available in RS232, 422/485 or MPI
- Programs with the free Limited Edition of GP-Pro EX

Performance Specifications

Model		AGP4105-G1-D24 AGP4105-W1-D24	AGP4106-G1-D24 AGP4106-W1-D24	AGP4107-G1-D24 AGP4107-W1-D24
Display	Type	3.4” Monochrome LCD		
	Colors	AGP410x-G1 models: Green / Orange / Red (16 shades) AGP410x-W1 models: White / Pink / Red (16 shades)		
	Backlight	LED (service life: Green/White 50,000 hrs., Red 10,000 hrs. at 25°C and 24hr. operation)		
	Resolution	200 x 80 pixels		
	Brightness Adjustment	16 levels of adjustment available via touch panel		
	ContrastAdjustment	8 levels of adjustment available via touch pane		
	Touch Panel	Resistive Film (Analog) 1024 x 1024		
Memory	Application	2.2MB Flash EPROM		
	Data Backup	No Internal backup SRAM		
Interfaces	Serial (COM1) Interface	RS-232C 9 pin Screw Terminal, Speed: 2400 to 115.2 kbps	RS-422/485, 9 pin Screw Terminal, Speed: 2400 to 115.2 kbps	RS-485 MPI (Isolated), 9 pin D-sub socket, Speed: 2400 to 115.2 kbps, 187.5 kbps (MPI)
	USB Interface	1x USB 2.0 (Host) Type A (for PC or USB Memory project transfer and Barcode Input) 1x USB 2.0 (Host) Type mini-B (for project transfer)		

General Specifications

Model		AGP4105-G1-D24, AGP4105-W1-D24	AGP4106-G1-D24, AGP4106-W1-D24	AGP4107-G1-D24, AGP4107-W1-D24
Electrical	Input Voltage	24V DC		
	Rated Voltage	19.2V DC to 28.8V DC		
	Power Consumption (without USB devices)	2.7W or less	3.0W or less	3.4W or less
	Power Consumption (powering USB devices)	6.0W or less	6.2W or less	6.5W 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, CSA-C22.2 No.142-M1987), CE EN61000-6-2, EN61000-6-4, EN61131-2, RoHS		CE EN61000-6-2, EN61000-6-4, EN61131-2, RoHS
	External Dimensions	W 116.5mm [4.59in] X H 77.5mm [3.05in] X D 28mm [1.1in]		
	Weight	0.2kg [0.4lb]		
	Warranty	Two year standard		

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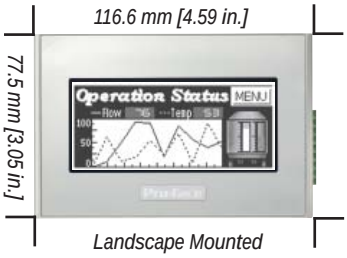
Communication Capability

PLC/Controllers		Temperature / Process Controllers	
Rockwell Automation	DF1	Omron Corporation	Temp Controller CompoWay/F
	DH-485	Yokogawa Electric	Personal Computer Link SIO
Siemens AG	SIMATIC S7 3964(R)/RK512	Fuji Electric Systems	Temp Controller Modbus SIO
	SIMATIC S7 MPI Direct (AGP4107)	Industrial Robot Controllers	
	SIMATIC S5 CPU Direct	IAI Corporation	Robo Cylinder Modbus SIO
	SIMATIC S5 3964(R)		X-SEL Controller
Schneider Electric	Modbus SIO Master	Inverter / Servo	
	Modbus SIO Slave	Yaskawa Electric	Inverter SIO
	Uni-Telway	Mitsubishi Electric	FREQROL Inverter
Modbus IDA	General Modbus RTU SIO Master	Other Devices	
Koyo Electronics	Kostac/DL Series CCM SIO	Digital Electronics Corporation	Memory Link
Yaskawa Electric	Memobus SIO		General SIO
	MP Series SIO (Extension)	The list above is a small selection of the many drivers that are supported by the AGP4100 Series HMI. In addition the AGP4100 Series HMI support USB code readers and USB Storage Devices for Project Transfer without PC. Pro-face continuously adds and updates drivers and makes these available free of charge on the Otasuke-Pro! Technical Support website. For a full list of supported drivers, new drivers and updates visit: https://www.hmisource.com/otasuke/download/update	
Omron Corporation	C/CV Series HOST Link		
	CS/CJ Series HOST Link		
Mitsubishi Electric	A / FX Series CPU Direct		
	A / FX Series Computer Link		
	Q / QnA / QUTE Series CPU Direct		
	Q / QnA Series Serial Comm.		

Small Cutout, Flexible Mounting Solutions



Landscape Mounted

Portrait Mounted

Cutout Dimensions: W 105.0mm [4.13in] x 66.0mm [2.60in]

Software Compatibility

Powered by

Screen Editor GP-Pro EX

HMI Development Software

Program the AGP4100 Series HMI with the Limited Edition of GP-Pro EX V2.60 (or later) available as free download from www.profaceamerica.com.

Ordering Information

Part Number	Description
AGP4105-G1-D24	3.4" Mono (Green/Orange/Red), 1 Serial RS232C, 2 USB, 24VDC
AGP4105-W1-D24	3.4" Mono (White/Pink/Red), 1 Serial RS232C, 2 USB, 24VDC
AGP4106-G1-D24	3.4" Mono (Green/Orange/Red), 1 Serial RS422/485, 2 USB, 24VDC
AGP4106-W1-D24	3.4" Mono (White/Pink/Red), 1 Serial RS422/485, 2 USB, 24VDC
AGP4107-G1-D24	3.4" Mono (Green/Orange/Red), 1 Serial RS485(MPI), 2 USB, 24VDC
AGP4107-W1-D24	3.4" Mono (White/Pink/Red), 1 Serial RS485 (MPI), 2 USB, 24VDC

Optional Items

Part Number	Product Name
EX-ED-Vxx	Screen Editor Software (Limited Edition)
Note: Limited Edition of GP-Pro EX (V2.6 or later) can be used to program the AGP4100 Series. Please visit www.profaceamerica.com to download this fully functional Limited Edition (previously called "Trial version")	
ZC9USCBMB1	Transfer/Programming Cable USB: HMI type mini-B Port to PC USB type A Port
ZC9USEXMB1	USB type mini-B Front Panel Access Cable: 1M
CA5-USBEXT-01	USB type A Front Panel Access Cable: 1M
ZC9DS31	Touch Screen Protection Sheet (Qty 5)
ZC9USCL1	USB Cable clamp (Qty 5) type A USB port
ZC9USCLMB1	USB Cable clamp (Qty 5) type mini-B USB port
ZC9WG31	Replacement Gasket
ZC9AF31	Replacement Mounting Fasteners, 1 set of 2
ZC9CMC1	Replacement Serial Interface Connector for 4105/4106
CA6-USB232-01	Converts USB type A to 9 pin D-Sub RS-232C Serial Port
ZC9CBQ31	RS232C Cable, 3M, 4105 to Mitsubishi PLC Q Series
ZC9CBFX11	RS422/485 Cable, 1M, 4106 to Mitsubishi PLC FX Series
ZC9CBFX51	RS422/485 Cable, 5M, 4106 to Mitsubishi PLC FX Series
ZC9CBA51	RS422/485 Cable, 5M, 4106 to Mitsubishi PLC A Series
ZC9CBFP21	RS232C Cable, 2M, 4105 to Panasonic FP Series PLC

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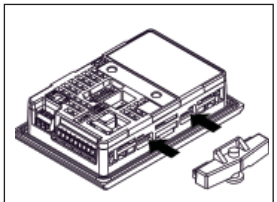
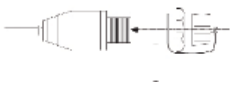


Mounting Fasteners



Optional Front Panel USB Access

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

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