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GP2300S/GP2301S - STN Color

5.7" Operator Interface with serial, Ethernet and industrial network connectivity

GP2300-SC41-24V is an intermediate but feature rich operator interface touch screen with compact flash port, Ethernet and dual serial ports for communications. Add-in powerful data collection software and web-enabled features, the GP2300S offers a low cost colorful data collection and process monitoring HMI solution. This unit is ideal for small stand alone production machines sharing runtime and machine maintenance information.

GP2301-SC41-24V is a low cost color operator interface touch screen with one RS232/422 configurable serial port and tool port for bar code readers. The serial port provides direct connection to PLC's, temperature controllers, inverters, and other various serial devices. The compact flash port provides large non-volatile memory storage for production data, imported jpegs, recipes, historical alarming and machine maintenance information.

GP2300-SC41-24V

GP2301-SC41-24V

FEATURES

- 5.7 inch touch screen
- STN 64 Color LCD
- 320 x 240 resolution
- Aluminum Housing
- CompactFlash™ Port
- RS232/422 Com Port
- Barcode reader support
- Multi-language support
- Optional Communication Module Interface

INFORMATION

Powerful secured data collection and sharing



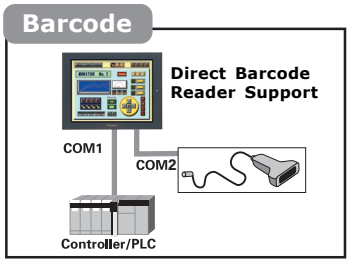
Various HMI software solutions available to match your needs:

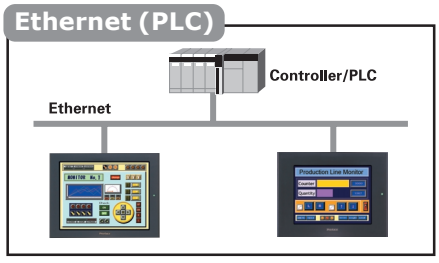
- Advanced featured Graphics Editor for drawing objects, animation, creating pre-configured operator objects, scripting, etc.
- Recipes Trending, Data Logging, Alarm/Event Management, Security, etc.
- Software application connectivity via OPC, DDE, SQL, etc. (GP2300S model)
- Data sharing via Ethernet, Internet (GP2300S model)
- Web-enabled browser features (GP2300S model)

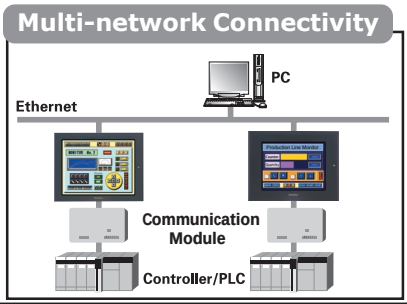
FEATURE SELECTION GUIDE

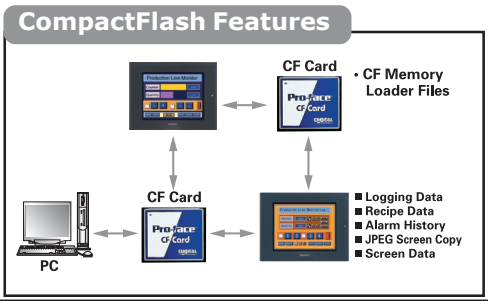
FEATURE	GP2300-SC41-24V	GP2301-SC41-24V
Ethernet	√	
RS-232/422 COM Port 25-pin D-sub	√	√
Secondary RS-232 Port 9-pin D-sub	√	
Bar Code Reader Support	√	√
Supports Optional Comm. Modules	√	√
Simultaneous Multi-protocol Support (with Pro-Designer Software	√	√ (With Optional Comm. Module)
Power Supply	DC Powered	DC Powered

CONNECTIVITY









Popular Protocols

Profibus
Modbus Plus
Interbus S
Data Highway Plus
CanOpen
Remote I/O
DeviceNet
Modbus RTU
DH485

... and MORE

GP2300S/GP2301S SPECIFICATIONS

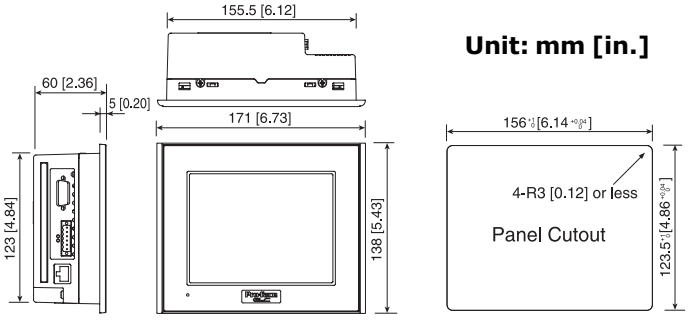
FUNCTIONAL SPECIFICATIONS

Model		GP2300-SC41-24V	GP2301-SC41-24V
Display	Type	STN Color LCD	
	Colors	64 Colors	
	Backlight	User replaceable CCFL (Service life: 50,000 hrs. or more at 25°C and 24 hrs. operation)	
	Resolution	320 x 240 pixels	
	Effective Display Area (mm)	(W)115.2mm x (H)86.4mm	
	Brightness Control	4 levels of adjustment available via touch panel	
Memory	Application	2 MB FLASH FEPROM	1 MB FLASH FEPROM
	Data Backup	256KB SRAM - uses a lithium battery	128KB SRAM - uses a lithium battery
Interfaces	Serial (COM 1) Interface	RS-232C/RS-422 configurable, 25 pin D-sub, Data Transmission Speed: 2400 to 115.2 kbps	
	Exp. Serial (COM 2) Interface	RS-232C, 9 pin D-sub, Data Transmission Speed: 2400 to 38.4 kbps	n/a
	Network Interface	Ethernet IEEE802.3, 10BASE-T	n/a
	Tool Connector Port	8-pin mini Din for programming/bar code reader	
	CF Card Interface	1 slot (CompactFlash™)	
	Expansion Interface	Yes - for optional communication modules	

GENERAL SPECIFICATIONS

Electrical	Rated Voltage	24VDC
	Rated Voltage Range	19.2VDC to 28.8VDC
	Power Consumption	22W or less
Environmental	Ambient Operating Temp.	0°C to 50°C
	Storage Temperature	-20°C to 60°C
	Storage Humidity	10%RH to 90%RH (non-condensing, wet bulb temperature: 39°C or less)
	Vibration Resistance	IEC61131-2 compliant. When vibration is NOT continuous: 10Hz to 57Hz 0.075mm, 57Hz to 150Hz 9.8m/s2 When vibration is continuous: 10Hz to 57Hz 0.035mm, 57Hz to 150Hz 4.9m/s2 X,Y, Z direction for 10 times (80min.)
Structural	Ratings	(For front panel of installed unit) Equivalent to IP65f, Nema #250 Type 4x/12
	Certifications	CE, CUL, UL Cl 1 Div 2 Groups A, B, C, D
	External Dimensions	W171mm[6.73in.] x H138mm [5.43in.] x D60mm [2.36in.] (main unit only)
	Weight	1.2kg (2.65lb) or less (main unit only)

EXTERNAL DIMENSIONS



Unit: mm [in.]

OPTIONAL COMM. MODULES

CA3-MBPALL-41	Modbus Plus interface module
CA1-PFSALL-21	Profibus DP Slave interface module
CA1-DNSALL-21	DeviceNet Slave Interface module
CA1-COSALL-21	CANopen Slave Interface module
QPJ-ABD-201*	AB Data Highway Plus interface module
QPJ-ABR-201*	AB 1771 Remote I/O interface module
***PSM-CONV00**	***Required adapter when using QPJ communication modules***

ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION
GP2300-SC41-24V	5.7" Color STN, 24V DC powered Ethernet and serial HMI
GP2301-SC41-24V	5.7" Color STN, 24V DC powered serial HMI

OPTIONAL ACCESSORIES

PS300-DF00	Screen protection sheets qty 5
PS300-BU00	Backlight replacement
GPW-CB02	Data Transfer Cable, GP to PC 9 pin RS232 D-sub
GPW-CB03	Data Transfer Cable, GP to PC USB port

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Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

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