

## GP2300T/GP2301T - TFT Color

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



**GP2300-TC41-24V** CE UL cUL  
**GP2301-TC41-24V** CE UL cUL

**GP2300-TC41-24V** is a 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 GP2300T offers best-in-class data collection and process monitoring HMI solution. This unit is excellent choice for sharing runtime machine information and as a graphical diagnostic machine troubleshooting guide.

**GP2301-TC41-24V** is a bright display operator interface color 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.

### FEATURES

- 5.7 inch touch screen
- TFT 256 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**



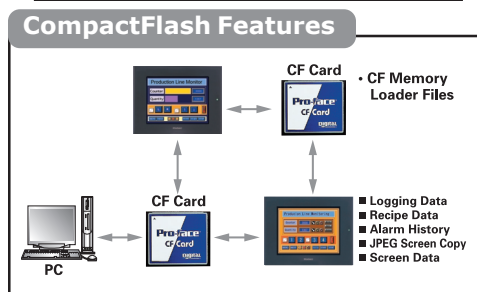
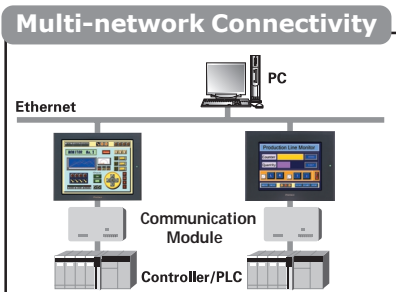
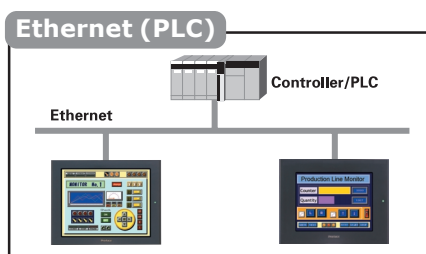
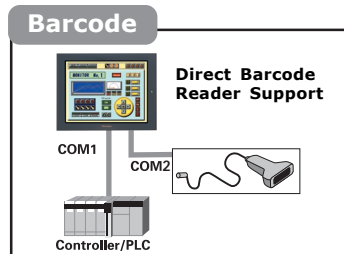
**Various HMI software solutions available to match your needs:**

- 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. (GP2300T model)
- Data sharing via Ethernet, Internet (GP2300T model)
- Web-enabled browser features (GP2300T model)

### FEATURE SELECTION GUIDE

FEATURE	GP2300-TC41-24V	GP2301-TC41-24V
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	<b>DCPowered</b>	<b>DCPowered</b>

### CONNECTIVITY



### Popular Protocols

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

**... and MORE**

# GP2300T/GP2301T SPECIFICATIONS

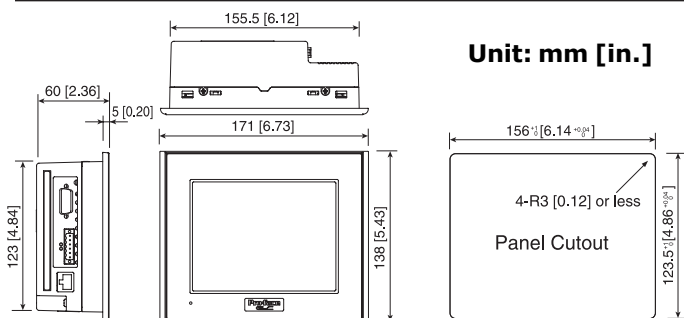
## FUNCTIONAL SPECIFICATIONS

Model	GP2300-TC41-24V	GP2301-TC41-24V
Display	Type	TFT Color LCD
	Colors	256 (no blink)/64 (3-speed blink)
	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 FEPRM
	Data Backup	256KB 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
	Network Interface	Ethernet IEEE802.3, 10BASE-T
	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/s <sup>2</sup> When vibration is continuous: 10Hz to 57Hz 0.035mm, 57Hz to 150Hz 4.9m/s <sup>2</sup> 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 (2.6lb) or less (main unit only)

## EXTERNAL DIMENSIONS



## 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
<b>*PSM-CONV00</b>	<b>Required adapter when using QPJ communication modules</b>

## ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION
GP2300-TC41-24V	5.7" Color TFT, 24V DC powered, Ethernet and serial HMI
GP2301-TC41-24V	5.7" Color TFT, 24V DC powered, serial HMI

### OPTIONAL ACCESSORIES

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

Xycom Automation, Inc.  
a Pro-face America Company  
734-429-4971  
Fax: 734-429-1010  
<http://www.xycom.com>

Customer Support Hotline:  
**734-944-0482**



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Andover, MA 01810 USA  
888-778-2733  
[www.schneider-electric.us](http://www.schneider-electric.us)

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55-5804-5000  
[www.schneider-electric.com.mx](http://www.schneider-electric.com.mx)

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Mississauga, ON L5R 1B8 Canada  
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