

## GP2300L/GP2301L - Monochrome

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



**GP2300-LG41-24V** 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 GP2300L becomes a low cost monochrome data collection and process monitoring HMI solution. This unit is ideal for viewing operating machine parameters while logging runtime and preventative maintenance information.

**GP2301-LG41-24V** is a low cost 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 of production data, imported jpegs, recipes, historical alarming and trend information.

**GP2300-LG41-24V**

**GP2301-LG41-24V**

### FEATURES

- 5.7 inch touch screen
- Monochrome 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**



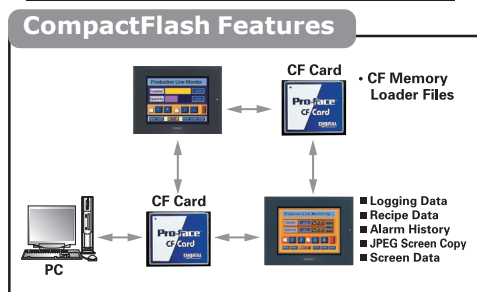
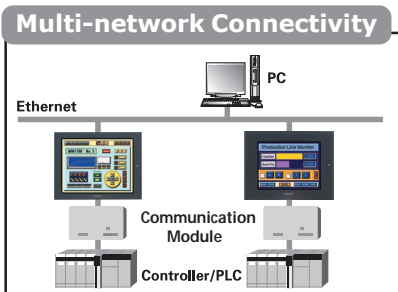
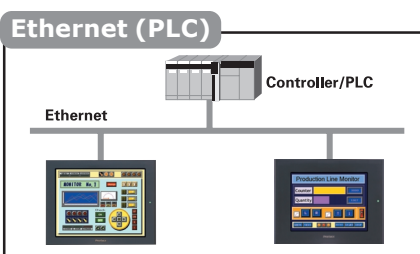
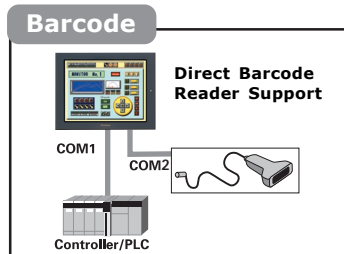
**Various HMI software solutions available to match your needs:**

- 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. (GP2300L model)
- Data sharing via Ethernet, Internet (GP2300L model)
- Web-enabled browser features (GP2300L model)

### FEATURE SELECTION GUIDE

FEATURE	GP2300-LG41-24V	GP2301-LG41-24V
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>DC Powered</b>	<b>DC Powered</b>

### CONNECTIVITY



### Popular Protocols

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

**... and MORE**

# GP2300L/GP2301L SPECIFICATIONS

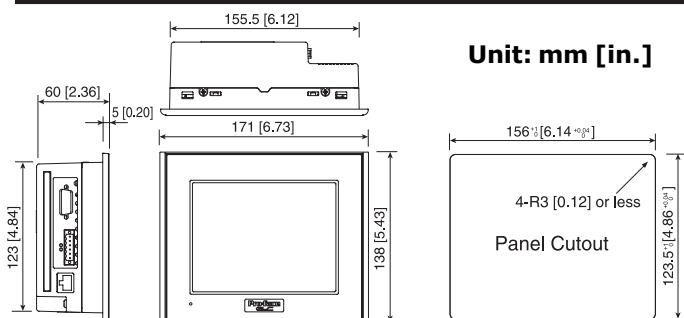
## FUNCTIONAL SPECIFICATIONS

Model	GP2300-LG41-24V	GP2301-LG41-24V
Display	Type	Monochrome LCD
	Colors	Black and White, Gray Scale
	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 (2.65lb) 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-LG41-24V	5.7" Monochrome LCD, 24V DC powered, Ethernet and serial HMI
GP2301-LG41-24V	5.7" Monochrome LCD, 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

**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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**⚠ ADVERTENCIA:** Este producto puede exponerle a químicos incluyendo plomo y compuestos de plomo, que es (son) conocido(s) por el Estado de California como causante(s) de cáncer y defectos de nacimiento u otros daños reproductivos. Para mayor información, visite : [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**⚠ AVERTISSEMENT:** Ce produit peut vous exposer à des agents chimiques, y compris plomb et composés de plomb, identifiés par l'État de Californie comme pouvant causer le cancer et des malformations congénitales ou autres troubles de l'appareil reproducteur. Pour de plus amples informations, prière de consulter: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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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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