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Find the *Pro-Face / Xycom GP2301-TC41-24V* at our website: *Click HERE*




# GP2300T/GP2301T - TFT Color

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

**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.

**GP2300-TC41-24V**

**GP2301-TC41-24V**

## 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**



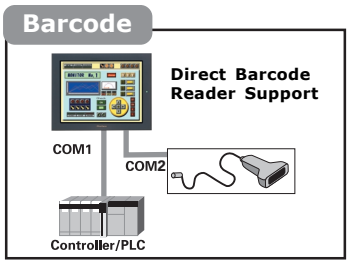

**Various HMI software solutions available to match your needs:**

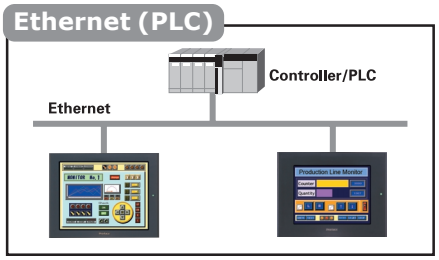
- Advanced featured Graphics Editor for drawing objects, animation, creating pre-configured operator objects, scripting, etc.
- Recipes Trending, Data Logging, Alarm/Event Management, Security, etc.
- Software application connectivity via OPC, DDE, SQL, etc. (GP2300T model)
- Data sharing via Ethernet, Internet (GP2300T model)
- Web-enabled browser features (GP2300T model)

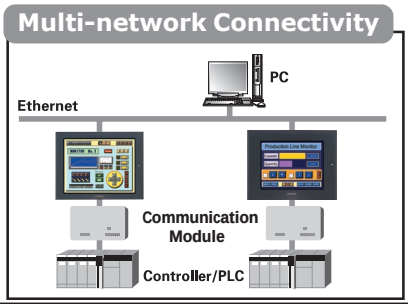
## FEATURE SELECTION GUIDE

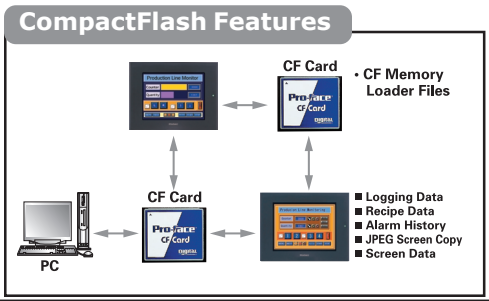
| FEATURE | GP2300-TC41-24V | GP2301-TC41-24V |
|---|---|---|
| Ethernet | √ | |
| RS-232/422 COM Port 25-pin D-sub | √ | √ |
| Secondary RS-232 Port 9-pin D-sub | √ | |
| Bar Code Reader Support | √ | √ |
| Supports Optional Comm. Modules | √ | √ |
| Simultaneous Multi-protocol Support (with Pro-Designer Software) | √ | √ (With Optional Comm. Module) |
| Power Supply | 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***



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# GP2300T/GP2301T SPECIFICATIONS

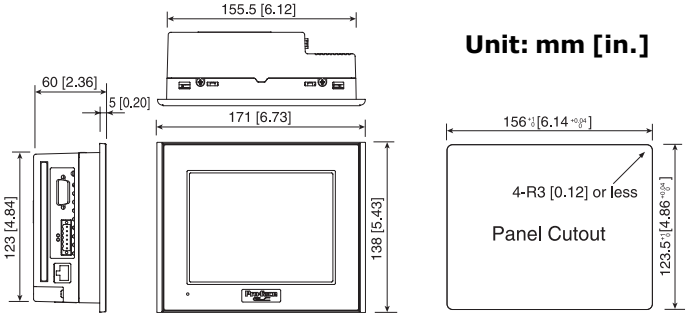
## FUNCTIONAL SPECIFICATIONS

| 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 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/s$^2$<br>When vibration is continuous: 10Hz to 57Hz 0.035mm, 57Hz to 150Hz 4.9m/s$^2$ 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




**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-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 |


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***a Pro-face America Company***
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**Customer Support Hotline:**
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