



## GP2501T - TFT Color

**10.4" Operator Interface with serial port and industrial network connectivity support**

The GP2501T operator interface touch screen is designed for non-Ethernet communication applications. Communication to PLC's, temperature controllers, inverters, bar code readers and other devices is via the serial port or optional network communication module. The CompactFlash™ Port provides large non-volatile memory storage for in-field system upgrades, logged production data, imported jpegs, recipes, historical alarming and ongoing machine maintenance information.

The GP2001 family offers one of the largest selections of on HMI serial protocol connectivity available. Various optional industrial network interfaces such as DH+, Profibus, Modbus Plus, etc. are also available. Data logging to compact flash and a local printer port enables the GP2001 series to offer a low cost production data storage and reporting solution.

GP2501-TC11 CE UL cUL

### FEATURES

- 10.4 inch touch screen
- TFT 256 Color LCD
- 640 x 480 pixels
- One RS-232/422 Port
- CompactFlash™ Port
- Printer Port
- Bar code Reader Support
- System alarm output
- Optional Communication Module Interface

### INFORMATION

**Powerful secure data collection and sharing**



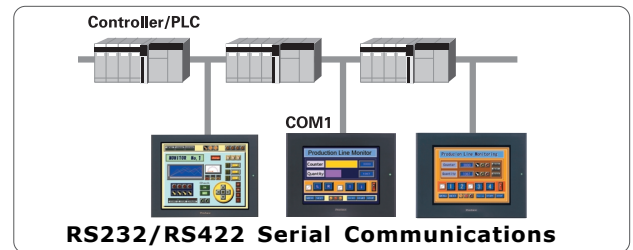
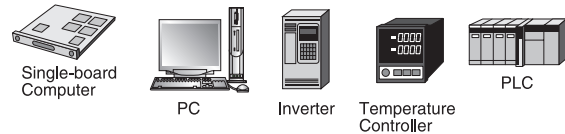
**Various HMI software solutions available to match your needs:**

- Advanced featured Graphics Editor for drawing objects, animation, creating pre-configured operator objects, scripting, etc.
- Recipes Trending, Data Logging, Alarm Event/Management, Security, etc.
- Multi-level security password features
- Graphic file import: BMP, JPEG, EMF, PNG
- Time-scheduler for production shift monitoring

### COMMUNICATION

**Versatile interfaces support flexible and expanding control system needs**

■ **SIO 1ch (COM1)** To connect various controllers



## CONNECTIVITY - LARGEST SELECTION OF PROTOCOLS AVAILABLE!

### Popular Controllers Supported:

**Schneider**  
Twido  
Quantum  
Momentum  
Micro & Nano  
984/884

**Toshiba**  
V Series  
Prosec EX, T  
Provisor

**Yokogawa**  
FA, FCN, FCJ  
UT Series

**Omron**  
Symac Series

**Rockwell**  
SLC500  
PLC-5  
Control Logix  
MicroLogix  
Compact Logix  
FR Inverters

**Mitsubishi**  
MELSEC-A  
MELSEC-FX  
MELSEC-Q  
MELSEC-QNA

**Koyo**  
Kostac  
DL205, 305, 405  
DL05 Series

**GE Fanuc**  
Series 90-30  
Series 90-70  
PowerMate (Motion Controller)  
Fanuc Series 16, 18, 16i, 18i, 21i

**Fuji Electric**  
Panadac 7000  
Micrex-F  
Flex-PC  
Temperature controllers

**Siemens**  
Simatic-S5  
Simatic-S7-200, 300, 400  
Simatic-505

**Toyoda**  
Toyopuc PC2/3

### Popular Protocols

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

**... and MORE**

# GP2501T SPECIFICATIONS

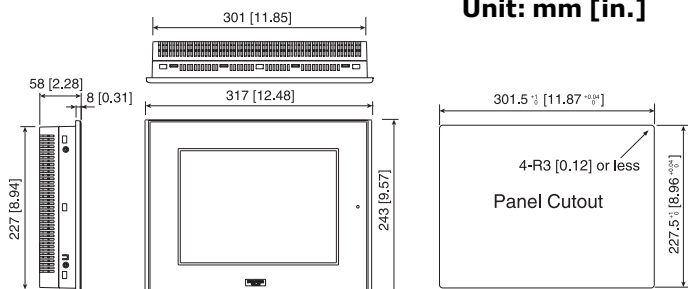
## FUNCTIONAL SPECIFICATIONS

Model	GP2501-TC11	
Display	Type	TFT Color LCD
	Colors	256 colors (no blink), 64 colors (3-speed blink)
	Backlight	User replaceable CCFL (Service life: 50,000 hrs. or more at 25°C and 24 hrs. operation)
	Resolution	640 x 480 pixels
	Effective Display Area (mm)	(W)211.2mm [8.34in.] x (H)158.4mm [6.24in.]
Memory	Brightness Control	4 levels of adjustment available via touch panel
	Application	2 MB FLASH FEPRM
	Data Backup	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
	Tool Connector Port	8-pin mini Din for programming or barcode readers
	CF Card Interface	1 slot (CompactFlash™)
	Expansion Interface	Yes - for optional communication modules

## GENERAL SPECIFICATIONS

Electrical	Rated Voltage	100VAC to 240VAC
	Rated Voltage Range	85VAC to 265VAC
	Power Consumption	50VA or less (AC IN 100V), 85VA or less (AC IN 240V)
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, wetbulb 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 CI 1 Div 2 Groups A, B, C, D UL60950, UL1604
	External Dimensions	W317mm[12.48in.] x H243mm [9.57in.] x D58mm [2.28in.] (main unit only)
	Weight	3.5kg (7.72lb) 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
QPI-ABD-201*	AB Data Highway Plus interface module
QPI-ABR-201*	AB 1771 Remote I/O interface module
<b>*PSL-CONV00</b>	<b>Required adapter when using QPI communication modules</b>

## ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION
GP2501-TC11	10.4" Color TFT, Universal AC powered, touch screen HMI serial communications

### OPTIONAL ACCESSORIES

PSL-DF00	Screen protection sheets qty 5
GP577RT-BL00-MS	Backlight replacement
GPW-CB02	Data transfer cable, GP to PC 9-pin, RS-232 D-sub
GPW-CB03	Data transfer cable, GP to PC USB port

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