



## GLC2500T - TFT Color

**10.4" HMI with distributed I/O, video and industrial network connectivity support**

The **GLC2500** is a powerful integrated HMI/PLC one box solution. The GLC2500 unit supports the optional 4 channel video module providing on-site machine monitoring and surveillance. Combined with bar code reader support, audio output and printer output for report generation, the GLC2500 is an impressive full-featured operator interface and controller HMI solution.

The **GLC2000** family features powerful logic control algorithms including timers, counters, logical operations, mathematical, bit manipulation etc for precise machine control and monitoring. Additionally, expanded communications to popular industrial network interfaces are supported with optional communication modules listed in the specifications.

**GLC2500-TC41-200V**

**GLC2500-TC41-24V**

### FEATURES

- 10.4 inch touch screen
- TFT 256 Color LCD
- 640 x 480 resolution
- Ethernet Port (10 baseT)
- CompactFlash™ Port
- RS232/422 Com Ports
- Video Input and Sound Output Support
- 2CH Flex Network Master Interface
- Optional Communication Module Interface

### INFORMATION

**Powerful secured data collection and sharing**



Easy data transfer by CF card.

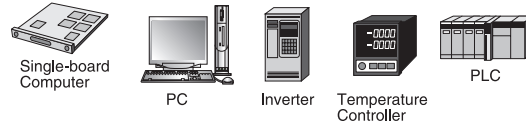
**Various HMI software solutions available to match your needs:**

- 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, DLL, SMTP Email
- Data sharing via Ethernet, Internet, or CompactFlash™
- Web-enabled browser features (optional Pro-Server)

### COMMUNICATION

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

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

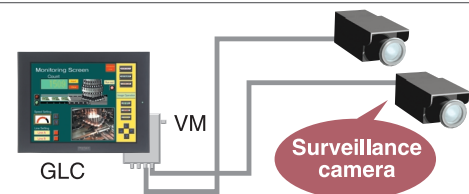


■ **SIO 2ch (COM2)**

Serial devices, such as single or two-dimensional bar code readers



**Optional Video Mix Unit: add up to 4 cameras for remote monitoring.**



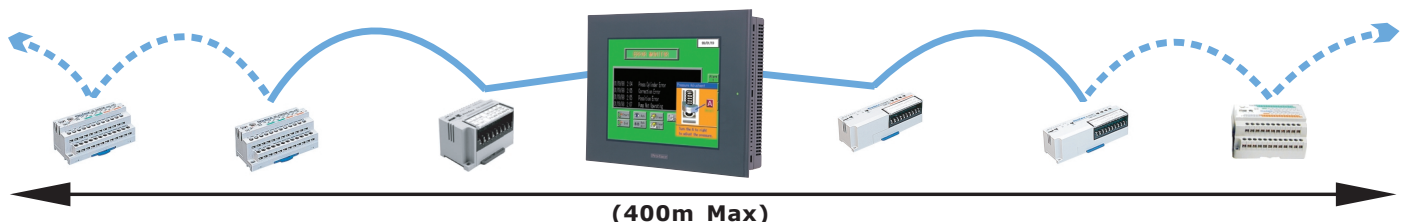
Video images provide virtual on-site monitoring of line conditions.

### CONTROL - DISTRIBUTED I/O MODULES FOR UP TO 1008 POINTS

**GLC control features include: timers, counters, logical operations, mathematical, bit manipulation, etc.** Mix and match any combination of analog and discrete I/O modules to meet your application needs.

**Flex Network Module Types:**

- 8, 16, 32 and 64-Point Discrete
- Hi-Speed Counter
- 4 Ch. and 2 Ch. Analog In or Out
- Single-Axis Positioning



**Please Note: Refer to the Flex Network datasheets for specifications on I/O modules.**

# GLC2500T-24V/200V SPECIFICATIONS

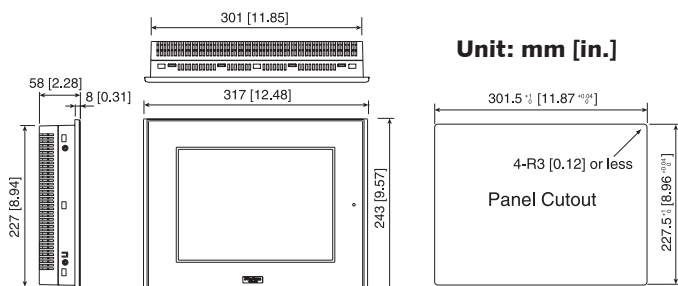
## FUNCTIONAL SPECIFICATIONS

Models		GLC2500-TC41-24V	GLC2500-TC41-200V
Display	Type	TFT Color LCD	
	Colors	256 colors, No blink/64 colors, 3-speed blink (Color switching is done via software)	
	Backlight	CCFL (Service life: 50,000 hrs. or more at 25°C and 24 hrs. operation) User replaceable	
	Resolution	640 x 480 pixels	
	Effective Display Area (mm)	W211.2mm [8.31in.] x H158.4mm [6.24in.]	
Memory	Brightness Control	4 levels of adjustment available via touch panel	
	Application	4MB FLASH EPROM (Approx. 1280 screens at 3.2KB/screen)	
Control Memory	Data Backup	256KB SRAM - uses a lithium battery	
	Program Area	128KB FLASH EPROM	
Interfaces	Variable Area	32KB SRAM - uses a lithium battery	
	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	
	Sound	External Speaker Connection (Terminal Block) Monaural 1CH, Speaker Output 70mW (Rated Load: 8 Ohm, Frequency: 1kHz), Sound Line Out Output 2.7Vp-p (Rated Load: 10k Ohm), Recommended Wire: AWG#28 to #16	
	Flex Network Interface	For connecting to Flex Network distributed I/O modules	

## GENERAL SPECIFICATIONS

Electrical	Rated Voltage	24VDC	100VAC to 240VAC
	Rated Voltage Range	19.2VDC to 28.8VDC	85VAC to 265VAC
	Power Consumption	50W or less, 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	
	Operating Humidity	10%RH to 90%RH (non-condensing, drybulb temperature: 39°C or less)	
	Storage Humidity	10%RH to 90%RH (non-condensing, drybulb temperature: 39°C or less)	
	Vibration Resistance	IEC61131-2 (JIS B 3501) 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	NEMA TYPE#250 Type 4 x/12 (limited to the front face after installation in a panel)	
	Certifications	CE, UL 508, UL 1604, Class 1, Div 2	CE, UL 60950, UL 1604, Class 1, Div 2
	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

CA1-DNSALL-21	DeviceNet Slave Interface module
CA2-DNMALL-41	DeviceNet Master Interface module
CA3-MBPALL-41	Modbus Plus interface module
CA1-PFSALL-21	Profibus DP Slave interface module
CA2-PFMALL-21	Profibus DP Master Interface module
CA1-COSALL-21	CANopen Slave Interface module
QPI-ABD-201*	Data Highway Plus interface module
QPI-ABR-201*	AB 1771 Remote I/O interface module
<b>*PSL-CONV00</b>	<b>Required a dapter when using QPI comm. modules</b>

## ORDERING INFORMATION

### ORDER NUMBER

GLC2500-TC41-24V

GLC2500-TC41-200V

### OPTIONAL ACCESSORIES

PSL-DF00

GP577RT-BL00-MS

GPW-CB02

GPW-CB03

FN-xxxxx

FN-CABLE2xxx-31-MS

### DESCRIPTION

10.4" Color TFT touch screen, 24VDC powered HMI with control

10.4" Color TFT touch screen, Universal AC powered HMI with control

Screen protection sheets, qty 5

Backlight Replacement

Data transfer cable, GLC to PC 9-Pin RS232 D-Sub

Data transfer cable, GLC to PC USB

Any Flex Network distributed I/O module

Flex Network cable where xxx is 010, 050, or 200 (meters) in length

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