



An aluminum body for superb cooling and dust resistance.

GLC2300T - TFT Color

5.7" Color HMI with distributed I/O and industrial network connectivity support

The **GLC2300** is a powerful integrated HMI/PLC one box solution. This combination streamlines machine design by capitalizing on integrating information, display and control in one unit while reducing installation and long term maintenance costs. This unit is ideal for specialty OEM machines where space and costs are driving factors.

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.

GLC2300-TC41-24V are supported with optional communication modules listed in the specifications.

FEATURES

- 5.7 Inch Touch Screen
- TFT Color LCD
- 320 x 240 Resolution
- Ethernet Port (10 baseT)
- CompactFlash™ Port
- RS232/422 Com Port
- 1 RS232 Com Port
- 2CH Flex Network Master Interface
- Optional Communication Module Interface

INFORMATION

Powerful secure data collection and sharing



Easy data transfer by CF card.

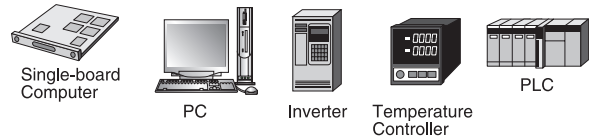
Various HMI software solutions available to match your needs:

- 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)

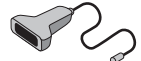
COMMUNICATION

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



Industrial Network Connectivity (optional)

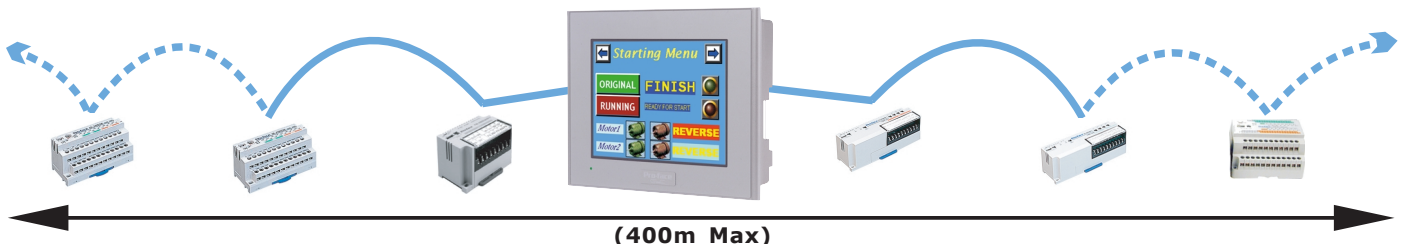
- PROFIBUS (Slave or Master)
- CANopen (Slave)
- DeviceNet (Slave or Master)
- Modbus Plus

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.

GLC2300T SPECIFICATIONS

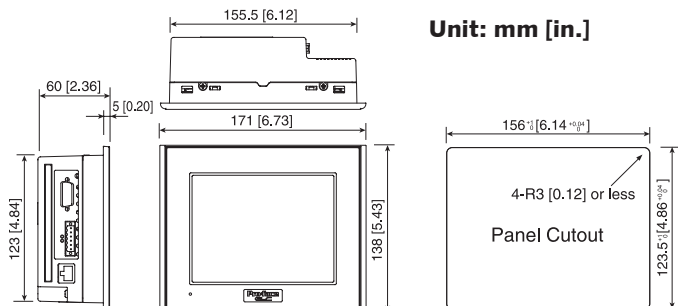
FUNCTIONAL SPECIFICATIONS

Model	GLC2300-TC41-24V	
Display	Type	TFT Color LCD
	Colors	256 colors, No blink/64 colors, 3-speed blink (Color switching is done via software)
	Backlight	CCFL (average lifespan of 50,000 hours min. with continuous operation)
	Resolution	320 x 240 pixels
	Effective Display Area (mm)	W115.2mm [4.54in.] x H86.4mm [3.40in.]
Memory	Brightness Control	4 levels of adjustment available via touch panel
	Application	2 MB FLASH FEPROM
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	n/a
Flex Network Interface	For connecting to Flex Network distributed I/O 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 (Operating temperature refers to the panel external - GLC unit front face - and panel internal temperatures)
	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)
Structural	Vibration Resistance	IEC61131-2 (JIS B 3501) compliant. When vibration is NOT continuous: 10Hz to 57Hz 0.075mm, 57Hz to 150Hz 9.8m/s ² When vibration is continuous: 10Hz to 57Hz 0.035mm, 57Hz to 150Hz 4.9m/s ² X,Y, Z direction for 10 times (80min.)
	Ratings	NEMA TYPE#250 Type 4 x/12 (limited to the front face after installation in a panel)
	Certifications	EN55022 Class A, EN50082-2, UL60950, UL Class 1, Div 2
	External Dimensions	W171mm[6.73in.] x H138mm [5.43in.] x D60mm [2.36in.]
	Weight	1.2kg (2.65lb) 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
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 comm. modules	

ORDERING INFORMATION

ORDER NUMBER

GLC2300-TC41-24V

DESCRIPTION

5.7" Color Touch Screen HMI with control

OPTIONAL ACCESSORIES

PS300-DF00	Screen protection sheets, qty 5
PS300-BU00	Backlight Replacement
GPW-CB02	Data transfer cable, GLC to PC 9-Pin RS232 D-Sub
GPW-CB03	Data transfer cable, GLC to PC USB
FN-xxxxx	Any Flex Network distributed I/O module
FN-CABLE2xxx-31-MS	Flex Network cable where xxx is 010, 050, or 200 (meters) in length

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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California Proposition 65 Warning—Lead and Lead Compounds

Advertencia de la Proposición 65 de California—Plomo y compuestos de plomo

Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

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Schneider Electric USA, Inc.
800 Federal Street
Andover, MA 01810 USA
888-778-2733
www.schneider-electric.us

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Schneider Electric México, S.A. de C.V.
Av. Ejercito Nacional No. 904
Col. Palmas, Polanco 11560 México, D.F.
55-5804-5000
www.schneider-electric.com.mx

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Schneider Electric Canada, Inc.
5985 McLaughlin Road
Mississauga, ON L5R 1B8 Canada
800-565-6699
www.schneider-electric.ca