



Switch between two colors!

ST403-AG41-24V



ST403 - Ethernet & RS-232/RS-422

3.8" Amber/Red Low Cost Graphic Touch Screen

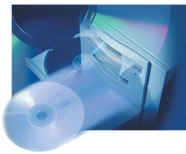
- Fast and Powerful 100Mhz RISC Processor
- Six function buttons configurable per screen
- Both Ethernet and RS-232/RS-422 communications
- Simultaneous multi-protocol support using Pro-Designer software
- Bar code reader support for security systems and inventory control
- Extensive Multi-language character support
- UL Listed, Class 1, Division 2 hazardous location certifications
- Data sharing connectivity to Microsoft programs using Pro-Server software

FEATURES

- 3.8 Inch Touch Screen
- LED Backlit Amber/Red LCD
- 320 x 240 QVGA Resolution
- Ethernet Port (10baseT)
- Data Sharing via Pro-Server
- RS-232/RS-422 Com Port Configurable
- Six Function Keys
- 24V DC Power
- Multi-language

INFORMATION

Various HMI software solutions available to match your needs:

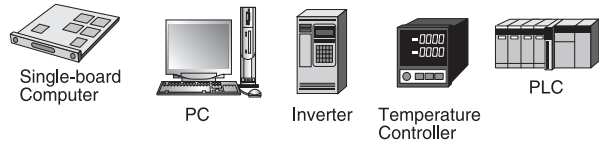


- Advanced featured Graphics Editor for drawing objects, animation, creating pre-configured operator objects, scripting, etc.
- Recipes Trending, Data Logging, Alarm/Event Management, Security, etc.
- Software application connectivity via OPC, DDE, SQL, DLL, SMTP Email
- Graphic file import: BMP, JPG, EMF, PNG
- Optional Web-enabled browser features

COMMUNICATION

Versatile interfaces support flexible and expanding control system needs:

■ Connect to various controllers via Ethernet or serial interfaces



■ Supports serial devices such as single or two-dimensional bar code readers



CONNECTIVITY



RS-232 / RS-422 Serial Interface

Pin Connection	Pin No.	Signal	Signal Name	Direction
	1	CD/RDA	Carrier detect /Receive data A	Input /Input
	2	RD/RDB	Receive data /Receive data B	Input /Input
	3	SD/SDA	Send data/Send data A	Output /Output
	4	ER/ERA	Enable receive /Enable receive A	Output /Output
	5	SG/SG	Ground/Ground	-
	6	DR/CSB	Data set ready/Clear send B	Input /Input
	7	RS/SDB	Request send /Send data B	Output /Output
	8	CS/CSA	Clear send/Clear send A	Input /Input
	9	RI/ERB	Ring indicate /Enable receive B	Input /Output

Partial List of Controllers Supported:

- | | | |
|--|---|--|
| GE Fanuc
Series 90-30
Series 90-70
PowerMate (Motion Controller)
Fanuc Series 16, 18, 16i, 18i, 21i | Mitsubishi
MELSEC-A
MELSEC-FX
MELSEC-Q
MELSEC-QNA | Siemens
Simatic-S5
Simatic-S7-200, 300, 400 |
| Schneider
Twido
Quantum
Momentum
Micro & Nano | Rockwell
SLC500
MicroLogix
ControlLogix
CompactLogix | IDEC
Micro & MicroSmart |
| | Koyo
DL205, 305, 405 | Yokogawa

Matsushita

Fuji Electric |

AND MORE...

ST403 SPECIFICATIONS

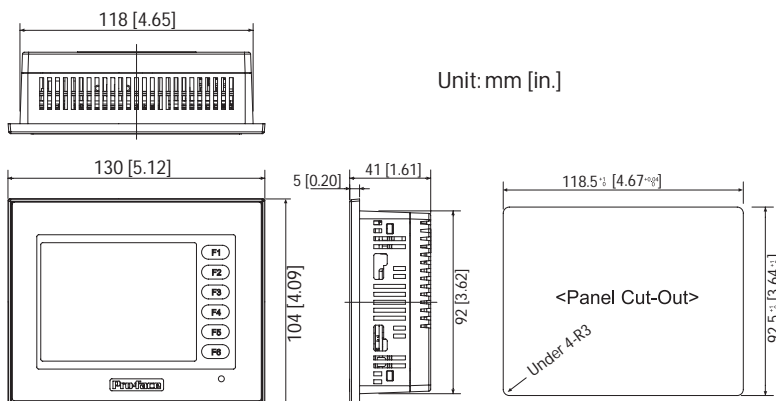
FUNCTIONAL SPECIFICATIONS

Display Type	Monochrome LCD
Display Colors	Monochrome up to 8 levels of gray
Backlight	LED backlight (Amber or Red color) maintenance free
Display Resolution	320 x 240 pixels
Effective Display Area (mm)	W76.7mm [3.02in.] x H57.5mm [2.26in.]
Brightness Control	2 levels of adjustment available via touch panel
Contrast Control	8 levels of adjustment available via touch panel
Character Sizes	8x8, 8x16, 16x16, 32x32 dot fonts
Font Sizes	Width can be expanded 1 to 8 times. Height can be expanded 1/2 and 1 to 8 times
Memory - Application	640 KB FLASH EPROM
Memory - Data Backup	96 KB SRAM - uses a lithium battery
Serial (COM 1) Interface	RS-232C/RS-422 configurable, 9-pin D-sub, Data Transmission Speed: 2400 to 115.2 kbps
Ethernet Interface	IEEE802.3, 10BASE-T
Tool Connector Port	8-pin Din, Asynchronous TTL Level non-procedural command interface for program download, bar code reader interface

GENERAL SPECIFICATIONS

Electrical	Input Voltage	24V DC
	Rated Voltage Range	19.2VDC to 28.8VDC
	Power Consumption	7W or less
Environmental	Ambient Operating Temp.	0°C to 50°C (Cabinet interior and panel face)
	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 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.)
Structural	Ratings	NEMA TYPE#250 Type 4 x/12 Equivalent to IP65 (Indoor use only)
	Certifications	UL/cUL Listed, UL508, UL1604 CL 1 Div 2, CE EN55011, EN61000-6-2
	External Dimensions	W130mm[5.12in.] x H104mm [4.09in.] x D41mm [1.61in.]
	Weight	0.4kg (0.88lb) or less

EXTERNAL DIMENSIONS



SOFTWARE COMPATIBILITY



Pro-Designer V4.2.10 HMI Development software



GP-PRO C-Package 03 HMI Development software



Pro-Server V4.5 or better Data Collection software

ORDERING INFORMATION

ORDER NUMBER

ST403-AG41-24V

DESCRIPTION

3.8" Dual Color Amber/Red LED, Ethernet and RS-232/RS-422 Port, 24V, UL, CE

OPTIONAL ACCESSORIES

GPW-CB02

Programming Cable, PC RS-232, 9 pin D-Sub application download cable

GPW-CB03

Programming Cable, PC USB, application download cable

HMI-CAB-ETH

Ethernet crossover cable, 6 ft. length

HMI-CAB-ST001

Generic serial communication cable, ST40x to open end wires, 3 meters

ST400-DF01

Overlay Screen Protection Sheet (qty 5)

PLC Cables

Wide variety of PLC cables available

Xycom Automation

734-429-4971

Fax: 734-429-1010

http://www.xycom.com

Customer Support Hotline:

734-944-0482

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