

5.7" HMI with Control - STC6000 Series



Features:

- 262,144 color, LED backlit TFT color LCD Display
- Aluminum Front Panel
- No grid analog touch panel for improved visibility and precise part placement
- Supports a large selection of Serial or Ethernet protocols
- USB Interfaces can be used for project transfer and to connect BCR scanners, printers, and memory devices.
- Programmed with the versatile GP-Pro EX Screen Development Software

Specifications

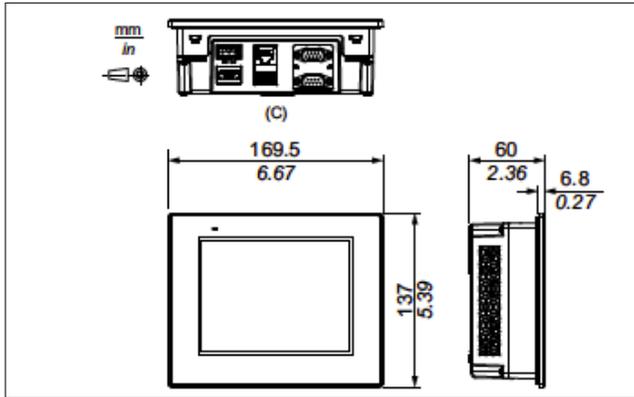
Model	STC6300TA (DIO)	
Order Numbers	PFXSTC6300TADDCE (Source) PFXSTC6300TADDKE (Sink)	
Display	Size and Type	5.7" TFT Color LCD (VGA)
	Colors	262,144 colors
	Resolution	640 x 480 pixels
	Brightness Adjustment	16 levels of adjustment available via touch panel in the Configuration menu
	Backlight	White LED adjustable on/off control
	Area	115.2 x 86.4 mm (4.54 x 3.40 in)
	Touch Panel	Resistive Film (Analog) 1024 x 1024 pixels
	Backup	Uses a part of Flash EPROM as the backup area. (Maximum usable capacity*1: 392 KB)
	System	Flash EPROM 1 GB (operating system, project data and other data)
Interfaces	Serial (COM1)	RS-232C/422/485
	Ethernet	IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX, Modular jack (RJ-45) x 1
	USB	USB 2.0 (Type A) x 1, USB 2.0 (micro-B) x 1
	CANOpen	Reserved.
Built-in DIO (Input)	24 Vdc open collector. Single phase (4-point) 2 phase (1-point or 2-point)	
Built-in DIO (Output)	4 points	
Clock	Battery backed clock.	

General Specifications

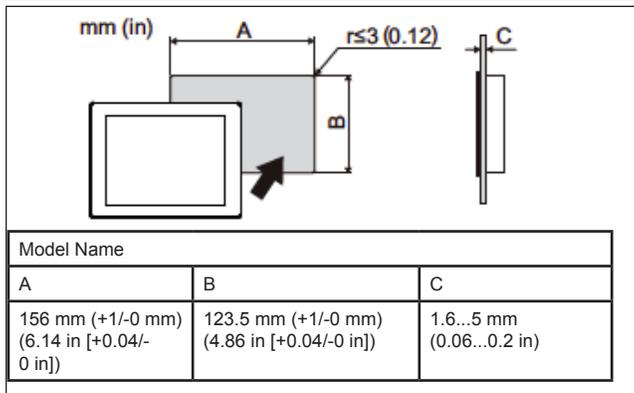
Model	PFXSTC6300TADDCE (Source) and PFXSTC6300TADDKE (Sink)	
Electrical	Rated Voltage	24Vdc
	Rated Voltage Range	20.4 Vdc...28.8 Vdc
	Power Consumption	Max 11.3 W
Environmental	Ambient Operating Temp	0...50 °C (32...122 °F)
	Storage Temperature	-20...60 °C (-4...140 °F)
	Dust	0.1 mg/m3 (10-7 oz/ft3) or less (non-conductive levels)
	Pollution degree	For use in Pollution Degree 2 environment.
	Corrosive gases	Free of corrosive gases
	Vibration & Shock Resistance	IEC/EN 61131-2 compliant, 5...9 Hz Single amplitude 3.5 mm (0.14 in) 9...150 Hz Fixed acceleration: 9.8 m/s2 X, Y, Z directions for 10 cycles (approximately 100 minutes)
	Shock resistance	IEC/EN 61131-2 compliant 147 m/s2, X, Y, Z directions for 3 times
Structural	Ratings	IP65F, UL 50/50E, Type 1, Type 4X (indoor use only), Type 12 and Type 13 (on the front panel when properly installed in an enclosure)*1
	Certifications	UL 61010-2-201 and CSA C22.2 N°61010-2-201, for Industrial Control Equipment used in Ordinary Locations, Underwriters Laboratories Inc., UL 121201 and CSA C22.2 N°213, for Industrial Control Equipment used in Class I, Division 2 Hazardous (Classified) Locations, IECEx / ATEX for use in zone 2 gas /zone 22 dust, Merchant Navy, following IACS UR E10., CE, ATX, UKCA, RCM, KC, EAC, RoHS, REACH
	Cooling Method	Natural Air Circulation
	Weight	0.8 kg (1.76 lb) or less
	External dimensions (W x H x D)	169.5 x 137 x 60 mm (6.67 x 5.39 x 2.36 in)
	Panel Cut-Out Dimensions (W x H)	156 x 123.5 mm (6.14 x 4.86 in) Panel thickness area: 1.6...1.5 mm (0.06...0.2 in)*2
	Warranty	18 Month Standard

*1 The front face of this product, installed in a solid panel, has been tested using conditions equivalent to the standards shown in the specification. Even though this product's level of resistance is equivalent to these standards, oils that should have no effect on this product can possibly harm this product. This can occur in areas where either vaporized oils are present, or where low viscosity cutting oils are allowed to adhere to this product for long periods of time. If this product's front face protection sheet or cover glass peels off, these conditions can lead to the ingress of oil into this product and separate protection measures are suggested. Also, if non-approved oils are present, they may cause deformation or corrosion of the front panel's cover. Therefore, prior to installing this product, be sure to confirm the type of conditions that will be present in this product's operating environment. If the installation gasket is used for a long period of time, or if this product and its gasket are removed from the panel, the original level of protection cannot be kept. To maintain the original protection level, be sure to replace the installation gasket regularly. *2 Even if the installation wall thickness is within the recommended range for the Panel Cut Dimensions, depending on the wall's material, size, and installation. location of this product and other devices, the installation wall could warp. To prevent warping, the installation surface may need to be strengthened.(R0.12 in).

STC6300TA External Dimensions



STC6300TA Cut-Out Dimensions



Ordering Information

Part Number	Description
PFXSTC6300TADDCE (Source)	5.7" TFT, 1 Serial, 2 USB, Ethernet, 24Vdc, Source
PFXSTC6300TADDKE (Sink)	5.7" TFT, 1 Serial, 2 USB, Ethernet, Quick Mount, 24Vdc, Sink

Optional Items

Part Number	Product Name
EX-ED-Vxx	GP-Pro EX Development Software (download version), xx refers to current version
FP-US00	Connects a USB printer (Type B).
PFXZUSCBMB2	Cable for transferring screen data from a PC (USB Type A) to this product (USB micro-B).
PFXZC7CNXY321	DIO Connector set for STC6000
PFXZHMSH1	TM3 Module Securing Hook
PFXZCBDS61	Disposable, dirt-resistant sheet for 5.7-inch screen (5 sheets/set).
GP37W2-GP4000M-AT00	Panel cutout adapter for mounting GP4000M Series, LT4000M Series in cutout of GP37W2, LT(GLC150)

Built-in I/O

DIO	Inputs: 16 Outputs: 16	High-Speed Counter / Pulse Catch Input • Single phase (4-point) • 2 phase (1-point or 2-point)	Pulse / PWM Output 4-point
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Rear mounting (Max 2 units)

TM3

TM3 Product List
EX module is also supported *1

Extension mounting (Max 3 units)

Max. 5m

Transmitter (TM3XTRA1) Receiver (TM3XREC1)
TM3 Product List
EX module is also supported *1

Software Compatibility



Powered By

Screen Editor
GP-Pro EX
HMI Development Software
 (Version 4.9.500 or newer)

