

Specifications

TLC Pro 521M

Display

Screen type	Active matrix TFT color display
Size	5" (12.7 cm), measured diagonally
Resolution.....	800x480
Dot/pixel pitch.....	187 dpi
Aspect ratio	Widescreen
Color depth.....	24-bit, 16.7M colors
Transparency	8 bit alpha channel
Brightness	450 nits (cd/m ²)
Contrast.....	250:1
Backlight.....	LED
Viewing angle.....	±70° horizontal, +50°/-70° vertical
Touch screen	Capacitive

Memory

SDRAM.....	512 MB
Flash.....	512 MB

Communication – Ethernet interface

Ethernet control/communications port	1 female RJ-45 connector
Ethernet data rate	10/100Base-T, half/full duplex with autodetect
Ethernet protocol	DHCP, DNS, HTTP, HTTPS, ICMP, SFTP, SSH, TCP/IP, UDP/IP
Default settings	Link speed and duplex level: autodetected IP address = 192.168.254.252 Subnet mask = 255.255.255.0 Default gateway = 0.0.0.0 DHCP = off DNS: 127.0.0.1
Program control	Extron Global Configurator Plus and Professional Extron GUI Designer Toolbelt Extron Control

Communication – touchpanel

Motion sensor	On/off
Light sensor	On/off

Communication – Digital input

Quantity/type	1 digital input
Connector.....	(1) 3.5 mm captive screw connector, 2 pole
Digital inputs	
Input voltage range.....	0 to 24 VDC, clamped at +30 VDC
Input impedance	29k ohms
Upper threshold.....	2.8 VDC
Lower threshold.....	2.0 VDC

Serial control

Quantity/type	1 bidirectional RS-232
Connectors	(1) 3.5 mm captive screw connector, 3 pole
Baud rate and protocol	300 to 115200 baud (9600 baud = default); 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), even, odd, mark, or space parity
Pin configuration	Pin 1 = Tx; Pin 2 = Rx; Pin 3 = Gnd

NOTE: This port supports software flow control. The default is no flow control.

Relay control

Quantity/type	2 normally open relays
Relay control connectors	(1) 3.5 mm captive screw connector, 3 pole
Pin configuration	Pin 1 = relay 1; Pin 2 = relay 2; Pin 3 = common
Relay control contact rating.....	24 VDC, 1 A

IR/serial control

Quantity/type	1 programmable: unidirectional RS-232 (± 5 V), or TTL level (0 to 5 V) infrared (carrier and non-carrier)
Connector	(1) 3.5 mm captive screw connector, 2 pole
Baud rate and protocol (RS-232)....	300 to 115200 baud (9600 baud = default); 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), even, odd, mark, or space parity
Pin configuration	Pin 1 = signal; pin 2 = Gnd
IR output carrier frequency	30 kHz to 300 kHz

Audio output

Speaker output	1 mono, 86 dB SPL, 0.1 watt, 0.1 m, half space
Frequency response	750 Hz to 20 kHz, ± 5 dB
Playback format(s)	
Container format	WAV (Microsoft RIFF)
Encoding	LPCM (uncompressed)
Bit depth	Unsigned 8-bit Signed 16-bit Signed 24-bit Signed 32-bit
Sampling rate	2 kHz to 192 kHz
Audio channels.....	mono or stereo

General

Power supply	Not included
Power input requirements	12 VDC or Power over Ethernet (PoE 802.3af, class 3)
Power consumption — Power injector (XTP PI 100)	
Device	6.0 watts
Device and power injector	8.7 watts
Power consumption — PoE PSE	
Device	6.1 watts
Power consumption — 12 VDC power supply (PS 1210C)	
Device	4.3 watts
Device and power supply	5.8 watts
Temperature/humidity	Storage: -22 to +158 °F (-30 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, vents on top and sides
Thermal dissipation — Power injector (XTP PI 100)	
Device	20.2 BTU/hr
Device and power injector	29.6 BTU/hr
Thermal dissipation — PoE PSE	
Device	20.5 BTU/hr

Thermal dissipation — 12 VDC power supply (PS 1210C)

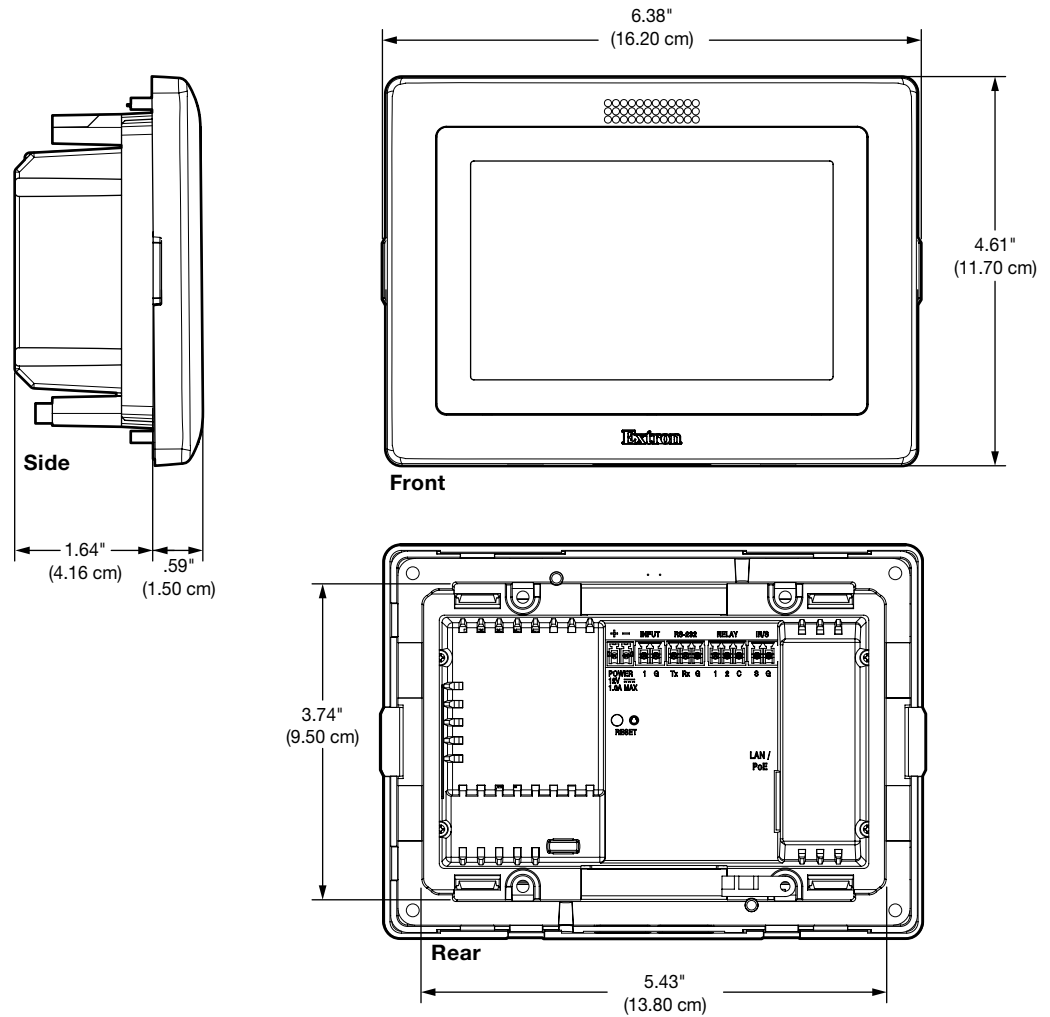
Device 14.6 BTU/hr

Device and power supply 19.7 BTU/hr

Mounting

Furniture or wall mount With included hardware

Enclosure type Plastic



Enclosure dimensions

Faceplate 6.38" W x 4.61" H x 0.59" D
(16.2 cm W x 11.7 cm H x 1.50 cm D)

Enclosure 5.43" W x 3.74" H x 1.64" D
(13.8 cm W x 9.5 cm H x 4.2 cm D)

Product weight 0.76 lbs (0.34 kg)

Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC.....	CE, C-tick,FCC Class A, ICES, VCCI
Environmental.....	Complies with the appropriate requirements of RoHS and WEEE.
Warranty	3 years parts and labor; touchpanel display and overlay components are covered for 1 year

NOTES:

- All nominal levels are at $\pm 10\%$.
- Specifications are subject to change without notice.
- Shipping dimensions and weights are available at www.extron.com.

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