

# Extron

# Specifications

## IPCP Pro 550 xi

### Memory

SDRAM.....	1 GB
Flash .....	8 GB

### Software

Configuration software.....	Global Configurator® Plus and Professional
Programming software.....	Global Scripter®
Control apps.....	Extron Control
Resource management software..	GlobalViewer® Enterprise
Utilities .....	Toolbelt, embedded web page

### Hardware user interface

Hardware .....	TouchLink® Pro touchpanels, Network Button Panels, or eBUS® button panels
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### Ethernet

Network interface controllers (NICs)	1: 1 LAN
Connector .....	1 female RJ-45 connector
Data rate .....	10/100/1000Base-T, half/full duplex with autodetect
Protocols.....	ARP, DHCP, DNS, HTTP (redirect), HTTPS, ICMP, IEEE 802.1X, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP
Default settings .....	Link speed and duplex level = autodetected IP address = 192.168.254.250 Subnet mask = 255.255.255.0 Gateway = 0.0.0.0 DHCP = off DNS = 127.0.0.1

### Serial

Quantity/type.....	2 bidirectional RS-232, RS-422, RS-485 (ports 7 and 8) 6 bidirectional RS-232 (ports 1 through 6)
Connectors.....	(2) 3.5 mm captive screw connectors, 5 pole (6) 3.5 mm captive screw connectors, 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, or odd parity

**NOTE:** The 5-pole ports support both hardware and software flow control.  
The 3-pole ports support software flow control.  
The default for both types of ports is no flow control.

### Pin configurations

#### Serial, 5-pole captive screw

RS-232 (default) .....	Pin 1 = Tx, 2 = Rx, 3 = Gnd, 4 = RTS, 5 = CTS
RS-422 .....	Pin 1 = Tx-, 2 = Rx-, 3 = Gnd, 4 = Tx+, 5 = Rx+
RS-485 .....	Pins 1 and 2 (tied together) = data-, 3 = Gnd, 4 and 5 (tied together) = data+
Serial, 3-pole captive screw ...	Pin 1 = Tx, 2 = Rx, 3 = Gnd

# Specifications • IPCP Pro 550 xi (Continued)

## Flex I/O

Quantity/type.....	4 analog input or digital input/output (configurable)
Connectors.....	(1) 3.5 mm captive screw connector, 5 pole
Digital inputs	
Input voltage range.....	0 to 24 VDC, clamped at +30 VDC
Input impedance.....	29k ohms
Programmable pullup.....	1k ohms to +5 VDC
Threshold low to high.....	Programmable range: 100 mV to 24 VDC, default = 2.4 VDC
Threshold high to low.....	Programmable range: 100 mV to 24 VDC, default = 0.8 VDC
Digital outputs.....	250 mA sink from 24 VDC max.
Analog inputs.....	12 bit A/D, 0 to 24 VDC
Pin configurations.....	1, 2, 3, 4 = flex I/Os 1, 2, 3, 4; 5 = Gnd

## IR/serial

Quantity/type.....	8 programmable: unidirectional RS-232 ( $\pm 5$ V), or TTL level (0 to 5 V) infrared (carrier and non-carrier) up to 300 kHz
Connectors.....	(4) 3.5 mm captive screw connectors, 4 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, or odd parity
Pin configurations.....	For each port, pin 1 = signal, 2 = Gnd
IR output carrier frequency.....	30 kHz to 300 kHz
IR learning carrier frequency.....	30 kHz to 300 kHz
IR learning capture distance.....	2" (5.1 cm) to 12" (30.5 cm) from the front panel

## Relay

Quantity/type.....	8 normally open relays
Relay control connectors.....	(4) 3.5 mm captive screw connectors, 4 pole
Relay control contact rating.....	24 VDC, 1 A

## eBUS

eBUS control ports.....	(1) 3.5 mm captive screw connector, 5 pole (uses 4 poles)
eBUS pin configuration.....	+V = +12 VDC; +S = + signal; -S = - signal; G = ground
Recommended cable type.....	Extron STP20-2/1000 or STP20-2P/1000 cable
Maximum system cable length.....	1000 feet (305 meters) sum total for the eBUS system, regardless of topology. Power injection may be required depending on system cabling topology and primary power supply wattage. See the <i>eBUS Technology Reference Guide</i> for details.
eBUS power output.....	12 watts

## Switched DC power output

Quantity/type.....	4 switched 12 VDC outputs
Connectors.....	(4) 3.5 mm captive screw connectors, 2 pole
Power.....	Maximum 40 watts total
Power sense	
Range.....	0.1 watt to 40 watts

## General

Power supply.....	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption.....	61.4 watts 6.2 watts, 100-240 VAC, 50-60 Hz without eBUS or switched 12 VDC output
Ambient temperature/humidity.....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling.....	Convection, no vents
Thermal dissipation.....	168.6 BTU/hr 21.2 BTU/hr without eBUS or switched 12 VDC output

# Specifications • IPCP Pro 550 xi (Continued)

Mounting	
Rack mount .....	Yes, with optional 1U rack shelf
Furniture mount .....	Yes, with optional bracket kit
Enclosure type .....	Metal
Enclosure dimensions.....	1.7" H x 8.7" W x 10.5" D (1U high, half rack wide) (43 mm H x 221 mm W x 267 mm D) (Depth excludes connectors.)
Product weight .....	2.4 lbs (1.1 kg)
Regulatory compliance .....	CE, C-Tick, c-UL, FCC Class A, ICES, KC, UL, VCCI Complies with the appropriate requirements of RoHS, WEEE
Product warranty.....	3 years parts and labor
Everlast power supply warranty ....	7 years parts and labor

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