

## Specifications

### IPCP Pro 250

#### Memory

SDRAM.....	512 MB
Flash.....	4.5 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, NBP button panels, or eBUS® button panels
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#### Ethernet

Network interface controllers (NICs)	1
Connector.....	1 female RJ-45 connector
Data rate.....	10/100/1000Base-T, half/full duplex with autodetect
Protocols .....	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 .....	1 bidirectional RS-232, RS-422, RS-485 (port 1) 1 bidirectional RS-232 (port 2)
Connector.....	(1) 3.5 mm captive screw connector, 5 pole (1) 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 250 (Continued)

### Digital I/O

Quantity/type .....	4 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 .....	>10k ohms
Programmable pullup .....	1k ohms to +5 VDC
Threshold low to high .....	2.8 VDC
Threshold high to low .....	2.0 VDC
Digital outputs.....	250 mA sink from 24 VDC max.
Pin configurations .....	1, 2, 3, 4 = digital I/Os 1, 2, 3, 4; 5 = Gnd

### IR/serial

Quantity/type .....	1 programmable: unidirectional RS-232 ( $\pm 5$ V), or TTL level (0 to 5 V) infrared (carrier and non-carrier) up to 300 kHz
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, 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 .....	2 normally open relays
Connector.....	(1) 3.5 mm captive screw connector, 3 pole
Relay control contact rating.....	24 VDC, 1 A

### Volume control

Quantity/type .....	1 volume control (compatible with select Extron amplifiers)
Connectors.....	(1) 3.5 mm captive screw connector, 5 pole
Pin configuration .....	Pin 3 = $\leq 10$ VDC reference voltage input, pin 4 = 0 to +10 VDC control voltage output, pin 5 = Gnd
Control voltage output range.....	0 to +10 VDC ( $\pm 0.2$ volts), adjustable

### 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 .....	6 watts

### General

Power supply .....	External, included Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watts
Power input requirements .....	12 VDC, 1 A, 12 watts, max.
Power consumption	
Device .....	8.8 watts, 12 VDC 3.4 watts without eBUS
Device and power supply .....	11.0 watts, 100-240 VAC, 50-60 Hz 4.6 watts, 100-240 VAC, 50-60 Hz without eBUS

## Specifications • IPCP Pro 250 (Continued)

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	
Device .....	9.5 BTU/ hr 11.5 BTU/hr without eBUS
Device and power supply .....	16.8 BTU/hr 15.6 BTU/hr without eBUS
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 4.3" W x 6.0" D (1U high, quarter rack wide) (43 mm H x 109 mm W x 152 mm D) (Depth excludes connectors.)
Product weight .....	0.7 lbs (0.3 kg)
Regulatory compliance.....	CE, C-Tick, c-UL, FCC Class A, ICES, KC, UL, UL Listed for use in plenum6 air handling spaces, 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

**NOTE:** All nominal levels are at  $\pm 10\%$ .

**NOTE:** Specifications are subject to change without notice.

**NOTE:** Shipping weights and dimensions are available at [www.extron.com](http://www.extron.com).

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