Extron

Specifications

IPCP Pro 255Q xi

Memory

SDRAM	2 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

Ethernet

Network interface controllers (NICs)	2: 1 LAN, 1 AV LAN
Connectors	2 female RJ-45 connectors
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	
LAN	Link speed and duplex level = autodetected IP address = 192.168.253.250 Subnet mask = 255.255.255.0 Gateway = 0.0.0.0 DHCP = off DNS = 127.0.0.1
AV LAN	Link speed and duplex level = autodetected DHCP server = disabled Subnet mask = 255.255.255.0 Gateway = 0.0.0.0
DHCP server disabled	IP address = 192.168.254.250 DNS = 127.0.0.1
DHCP server enabled	IP address = 192.168.254.1 DNS = 192.168.254.1 Dynamic leased IP address pool = 192.168.254.100 - 192.168.254.149 Maximum lease count = 50 Lease time = 24 hours

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

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 (±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 = ≤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 (±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 *eBUS Technology Reference Guide* 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	10.0 watts, 12 VDC
Device and power supply	11.1 watts, 100-240 VAC, 50-60 Hz
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	13.7 BTU/hr
Device and power supply	17.3 BTU/hr
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	0.8 lbs (0.4 kg)
Regulatory compliance	CE, C-Tick, c-UL, FCC Class A, ICES, 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

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

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