

Extron

Specifications

IPCP Pro 555Q 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
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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	ARP, 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

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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

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 (± 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

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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	68.4 watts
	7.3 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.....	192.5 BTU/hr
	24.9 BTU/hr without eBUS or switched 12 VDC output
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

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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