

Specifications

IPCP 505

Ethernet control interface

Connectors	1 RJ-45 female connector
Data rate.....	10/100Base-T, half/full duplex with autodetect
Protocols.....	ARP, ICMP (ping), IP, TCP, UDP, DHCP, HTTP, SMTP, Telnet
Default settings.....	Link speed and duplex level = autodetected IP address = 192.168.254.254 Subnet mask = 255.255.0.0 Gateway = 0.0.0.0 DHCP = off
Web server.....	Up to 200 simultaneous sessions 975 MB nonvolatile user memory
Program control	Extron Global Configurator for Windows® Extron Simple Instruction Set (SIS™) Microsoft® Internet Explorer®, Telnet
Global Viewer requirements	Microsoft® Internet Explorer® ver. 6 or higher

Serial control interface

Quantity/type	2 bidirectional RS-232, RS-422, RS-485 6 bidirectional RS-232
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), or even or odd parity

NOTE: The 5-pole ports support both hardware and software flow control.
The 3-pole ports support software 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 control interface

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.....	28k ohms
Programmable pullup.....	2k ohms to +5 VDC
Threshold low to high.....	Programmable range: 100 mV to 24 VDC, default = 2 VDC
Threshold high to low.....	Programmable range: 100 mV to 24 VDC, default = 1 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

Control — IR/serial ports

Quantity/type	8 programmable: unidirectional RS-232 (± 5 V), or TTL level (0 to 5 V) infrared (carrier and non-carrier) up to 1 MHz
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), or even or odd parity
Pin configurations	For each port, pin 1 = signal, 2 = GND
IR output carrier frequency	30 kHz to 1 MHz
IR learning carrier frequency	30 kHz to 1 MHz
IR learning capture distance.....	2" (5.1 cm) to 12" (30.5 cm) from the front panel

Relay control interface

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

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	63.3 watts
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	33.2 BTU/hr
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.7" W x 10.5" D (1U high, half rack wide) (4.3 cm H x 22.1 cm W x 26.7 cm D) (Depth excludes connectors.)
Product weight.....	2.5 lbs (1.1 kg)
Shipping weight.....	5 lbs (3 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL Meets UL 60950 for safety.
EMI/EMC	CE, C-tick, FCC Class A, ICES, KC mark, VCCI
Environmental.....	Complies with the appropriate requirements of RoHS, WEEE
Warranty.....	3 years parts and labor

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

NOTE: Specifications are subject to change without notice.

8.0-011513-D8