

## Specifications

### IPCP Pro 350

#### 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 |
|----------------|-----------------------------------------------------------------------|

#### Ethernet

|                                      |                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network interface controllers (NICs) | 1                                                                                                                                                               |
| Network switch.....                  | 1 unmanaged 3 port switch                                                                                                                                       |
| Connectors .....                     | 3 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 .....               | Link speed and duplex level = autodetected<br>IP address = 192.168.254.250<br>Subnet mask = 255.255.255.0<br>Gateway = 0.0.0.0<br>DHCP = off<br>DNS = 127.0.0.1 |

#### Serial

|                              |                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity/type .....          | 1 bidirectional RS-232, RS-422, RS-485 (port 1)<br>2 bidirectional RS-232 (ports 2 and 3)                                                        |
| Connectors .....             | (1) 3.5 mm captive screw connector, 5 pole<br>(2) 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;<br>1 (default) or 2 stop bits;<br>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 350 (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 .....                 | 2 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, 5-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 control

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Quantity/type .....               | 4 normally open relays                     |
| Relay control connectors .....    | (1) 3.5 mm captive screw connector, 6 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 .....          | 6 watts                                                                                                                                                                                                                                          |

### General

|                                |                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply .....             | External, included<br>Input: 100-240 VAC, 50-60 Hz<br>Output: 12 VDC, 1.5 A, 18 watts                                                      |
| Power input requirements ..... | 12 VDC, 1 A, 12 watts, max.                                                                                                                |
| Power consumption              |                                                                                                                                            |
| Device .....                   | 9.8 watts, 12 VDC                                                                                                                          |
| Device and power supply .....  | 11.9 watts, 100-240 VAC, 50-60 Hz                                                                                                          |
| Temperature/humidity .....     | Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing<br>Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing |
| Cooling .....                  | Convection, no vents                                                                                                                       |
| Thermal dissipation            |                                                                                                                                            |
| Device.....                    | 12.9 BTU/hr                                                                                                                                |
| Device and power supply .....  | 19.9 BTU/hr                                                                                                                                |
| Mounting                       |                                                                                                                                            |
| Rack mount.....                | Yes, with optional 1U rack shelf                                                                                                           |

Specifications • IPCP Pro 350 (Continued)

|                                     |                                                                                                                                                                   |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure type .....                | Metal                                                                                                                                                             |
| Enclosure dimensions .....          | 1.7" H x 8.7" W x 6.0" D (1U high, half rack wide)<br>(43 mm H x 221 mm W x 152 mm D)<br>(Depth excludes connectors.)                                             |
| Product weight .....                | 1.4 lbs (0.6 kg)                                                                                                                                                  |
| Regulatory compliance.....          | CE, C-Tick, c-UL, FCC Class A, ICES, KC, UL, UL Listed for use in plenum air<br>handling spaces, VCCI<br>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](http://www.extron.com).

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