

Specifications

IPL EXP 200

Memory

| | |
|------------|--------|
| SDRAM..... | 512 MB |
| Flash..... | 512 MB |

Software

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|----------------------------------|--|
| Configuration software | Global Configurator® Plus and Professional |
| Programming software..... | Global Scripter® |
| Control apps..... | Extron Control, iGVE |
| Resource management software.... | GlobalViewer® Enterprise |
| Utilities | Toolbelt, embedded web page |

Ethernet

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|--------------------------------------|---|
| Network interface controllers (NICs) | 1 |
| Connectors..... | 1 female RJ-45 connector |
| Data rate..... | 10/100Base-T, half/full duplex with autodetect |
| Protocols | DHCP, DNS, HTTP (redirect), HTTPS, ICMP (ping), IEEE 802.1X, NTP, SFTP, 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 = 127.0.0.0 |

Serial

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|------------------------------|--|
| Quantity/type | 2 bidirectional RS-232 |
| Connectors..... | (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; 1 (default) or 2 stop bits; no parity (default), even, or odd parity |

NOTE: These ports support software flow control. The default is no flow control.

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|-------------------------|-----------------------------|
| Pin configuration | Pin 1 = Tx, 2 = Rx, 3 = Gnd |
|-------------------------|-----------------------------|

IR/serial

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|-------------------------------------|---|
| 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 |
| Connectors..... | (1) 3.5 mm captive screw connectors, 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 | Pin 1 = signal, 2 = Gnd |
| IR output carrier frequency..... | 30 kHz to 300 kHz |

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Digital I/O

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|-----------------------------|---|
| Quantity/type | 4 digital input/output (configurable) |
| Connector..... | (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 configuration | 1, 2, 3, 4 = digital I/Os 1, 2, 3, 4; 5 = Gnd |

Relays

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|-----------------------------------|---|
| Quantity/type | 2 normally open relays |
| Relay control connectors | (1) 3.5 mm captive screw connectors, 3 pole |
| Relay control contact rating..... | 24 VDC, 1 A |

eBUS

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|----------------------------------|--|
| 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 | 3 watts |

General

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|--------------------------------|--|
| Power supply | Not included |
| Power input requirements | Power over Ethernet (PoE) (complies with PoE 802.3af, class 3); 48 VDC (PoE), minimum 0.35 A |
| Power consumption | |
| Device..... | 4.9 watts, 48 VDC (PoE) |
| Device and PoE injector..... | 7.2 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..... | 6.5 BTU/hr |
| Device and PoE injector..... | 14.3 BTU/hr |
| Mounting | |
| Rack mount..... | Yes, with optional 1U rack shelf, with the included ZipClip® 200 mounting clip, or by securing to rack rails with tie wraps |
| Furniture mount | Yes, with the included ZipClip 200 mounting clip |
| Pole mount..... | Yes, using tie wraps |
| Enclosure type | High impact, high temperature plastic |
| Enclosure dimensions | 1.7" H x 4.3" W x 4.5" D (1U high, quarter rack wide) (42 mm H x 109 mm W x 114 mm D) |
| Product weight | 0.45 lbs (0.2 kg) |
| Regulatory compliance..... | CE, C-Tick, c-UL, FCC Class A, ICES, UL, VCCI Complies with the appropriate requirements of RoHS, WEEE |
| Warranty | 3 years parts and labor |

NOTE: All nominal levels are at ±10%.

Specifications • IPL EXP 200 (Continued)

NOTE: Specifications are subject to change without notice.

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

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