Extron
Specifications

USB Extender Plus T/R Series

USB Extender Plus T/R

USB extension

USB standards	USB 2.0, USB 1.1, USB 1.0 compatible
USB host support	xHCI (USB 3.0), EHCI (USB 2.0), OHCI/UHCI (USB 1.1)
USB data rates	Low speed (1.5 Mbps), full speed (12 Mbps), high speed (480 Mbps)
Data transfer types	Bulk, Control, Interrupt, and Isochronous

USB host — Tx units

Number/signal type	1 USB
Connectors	1 female USB type B
Maximum built-in USB hubs	2
Minimum built-in USB hubs	0
Optional built-in USB hubs	Peripheral emulation enabled: 1 1:n network pairing enabled: 1

USB device ports — Receiver

Number/signal type	(1) 4-port, USB hub
Connectors	4 female USB 2.0 type A
Maximum built-in USB hubs	1
Minimum built-in USB hubs	1
Available USB power	500 mA per port

Interconnection between transmitter and receiver

Connectors	1 female RJ-45 per unit
Termination standards	TIA 568B

Signal transmission distance

Point to point	Up to 330' (100 m)
Over the network	Up to 1980' (600 m)**

NOTE: **Over the network distance is through connection of up to five network switches.

NOTE: The transmission distance varies depending on the type of cable used in the system.

Network

Protocol	Ethernet
Transport	TCP/IP, UDP
All supported	IPv4, UDP, DHCP, Unicast
Standards	IEEE 802.3u (100Base-T), IEEE 802.3ab (1000Base-T)
IP Configuration	Static IP (default) or DHCP

General — USB Extender Plus T/R

Power supply	External
Transmitter	Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 0.5 A, 6 watts
Receiver	Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watts
Receiver HUB power output	5 VDC, 500 mA per port

Power consumption

Transmitter	
Device	2.5 watts
Device and power supply	3.4 watts

Specifications • USB Extender Plus T/R Series (Continued)

Receiver
- Device ..... 12.4 watts
- Device and power supply . 14.9 watts

Enclosure type ..... Metal

Enclosure dimensions

USB Extender Plus

Rack Mount ..... 1.0" H x 4.3" W x 6.0" D (quarter rack width)
(25 mm H x 109 mm W x 152 mm D)
(Depth excludes connectors.)

USB Extender Plus AAP
- Faceplate ..... 1.4" H x 3.5" W x 0.1 " D
(36 mm H x 89 mm W x 2.5 mm D)
Double-space AAP
- Device ..... 1.4" H x 2.7" W x 1.8" D
(36 mm H x 69 mm W x 46 mm D)

USB Extender Plus D
- Faceplate ..... 2.6" H x 1.3" W x 0.1 " D
(66 mm H x 33 mm W x 2.5 mm D)
- Device ..... 2.7" H x 1.7" W x 1.6" D
(69 mm H x 43 mm W x 41 mm D)

Regulatory compliance ..... UL, c-UL, CE, FCC Class A, C-Tick, RoHS, WEEE, KC*
*Only USB Extender Plus T, USB Extender Plus R, and USB Extender Plus AAP R models

Product warranty..... 3 years parts and labor

USB Plus Matrix Controller

Memory
- SDRAM ..... 512 MB
- Flash..... 512 MB

Ethernet control
- Network interface controllers (NICs) 1
- Connectors ..... 1 female RJ-45 connector
- Data rate..... 10/100/1000Base-T, half/full duplex with autodetect
- Protocols ..... DHCP, DNS, HTTP, HTTPS, ICMP, NTP, SFTP, SMTP, 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: 127.0.0.1

Serial control
- Quantity/type ..... 1 bidirectional RS-232
- Connectors ..... (1) 3.5 mm captive screw connector, 5 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

General — USB Plus Matrix Controller

Power supply ..... External
Input: 100-240 VAC, 50-60 Hz
Output: 12 VDC, 0.5 A, 6 watts

Power input requirements..... 12 VDC, 1 A, 12 watts, max.
Or power over Ethernet (PoE) (complies with PoE 802.3af, class 3)

Power consumption
- Device ..... 1.5 watts, 12 VDC
- Device and power supply ..... 2.0 watts, 100-240 VAC, 50-60 Hz

Specifications • USB Extender Plus T/R Series (Continued)

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	5.2 BTU/hr
Device and power supply	6.8 BTU/hr
Mounting	
Rack mount	Yes, with optional 1U rack shelf or back of the rack mounting kit
Furniture mount	Yes, with optional bracket kit
Enclosure type	Metal
Enclosure dimensions	1.0" H x 4.3" W x 6.0" D (1U high, quarter rack wide) (25 mm H x 109 mm W x 152 mm D) (Depth excludes connectors.)
Product weight	0.6 lbs (0.3 kg)
Regulatory compliance	CE, c-UL, UL, C-tick, FCC Class A, ICES, 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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