

## Specifications

### USB Extender Plus T/R Series

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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)
USB host — Tx units	
Number/signal type .....	1 USB
Connectors .....	1 female USB type B
USB hub — Rx units	
Number/signal type .....	(1) 4-port USB hub
Connectors .....	4 female USB type A
Interconnection between transmitter and receiver	

**NOTE:** This product supports the four types of data transfer defined by USB: bulk, control, interrupt, and isochronous transfers.

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, IPv6, UDP, SSL, DHCP, HTTP, HTTPS, RTP, RTSP, SNMP, SNMP V2 (RFC 1213), SNMP V3 SNTP/NTP, SAP (RFC 2974), SDP (RFC 4566), QoS (RFC 2474), NTPv4 (RFC 4330), IGMP, Unicast or Multicast
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
Power consumption	
Transmitter	
Device .....	2.5 watts
Device and power supply...	3.4 watts
Receiver	
Device .....	12.4 watts
Device and power supply...	14.9 watts

## Specification • USB Extender Plus T/R Series (Continued)

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)
Vibration .....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance.....	CE, c-UL, KCC, C-tick, FCC Class A, ICES, RoHS, VCCI Class AUL, WEEE
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
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

## Specification • USB Extender Plus T/R Series (Continued)

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, KCC, RoHS, WEEE, VCCI
Warranty .....	3 years parts and labor
Everlast power supply warranty.....	7 years parts and labor

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

**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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