

Specifications

USB Extender Plus T/R Series

USB Extender Plus T/R

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
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	

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, 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

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

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
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
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
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, KCC, RoHS, WEEE, VCCI
Product 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.

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