

Specifications

UCS FT 901 and UCS FR 902

USB

USB host support	xHCI (USB 3.2)
USB traffic types	Low speed (1.5 Mbps), full speed (12 Mbps), high speed (480 Mbps), SuperSpeed (5 Gbps)

USB host – Tx units

Number/signal type.....	1 USB
Connectors	1 female USB type C

USB hub – Rx units

Number/signal type.....	1 USB
Connectors	2 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	2 LC
Nominal peak wavelength	850 nm for multimode
Data rate.....	5 Gbps
Transmission power	-5 dBm, typical
Maximum receiver sensitivity	
Multimode	-12 dBm, typical
Optical loss budget	
Multimode	7 dB, maximum
Signal transmission distance	300 m (985 feet) with 50 µm OM3/OM4, 4700 MHz bandwidth, laser-optimized multimode (MM) cables

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

General

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, 2.0 A, 24 watts
Receiver HUB power output....	5 VDC, 1.5 A per port
Power consumption	
Transmitter	
Device	Multimode: 0.8 watts
Device and power supply...	Multimode: 1.1 watts
Receiver	
Device	Multimode: 16.4 watts
Device and power supply...	Multimode: 19.8 watts
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

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Cooling	Convection, no vents
Thermal dissipation	
Transmitter	
Device	Multimode: TBD BTU/hr
Device and power supply...	Multimode: TBD BTU/hr
Receiver	
Device	Multimode: TBD BTU/hr
Device and power supply...	Multimode: 18.8 BTU/hr
Mounting	
Rack mount.....	Yes, with optional rack shelf or rack mounting brackets
Furniture or wall mount.....	Yes, with included Zipclip kits
Enclosure type	Metal
Enclosure dimensions	
Transmitter	1.0" H x 2.2" W x 3.0" D 2.5 cm H x 5.6 cm W x 7.6 cm D (depth excludes connectors)
Receiver	1.0" H x 4.3" W x 3.0" D (one quarter rack wide) 2.5 cm H x 10.9 cm W x 7.6 cm D (depth excludes connectors)
Product weight	1 lb (0.5 kg)
Transmitter	0.1 lbs (0.05 kg)
Receiver	1 lb (0.5 kg)
Regulatory compliance.....	CE, c-UL, KCC, UL, C-tick, FCC Class A, ICES, VCCI Class A, 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 $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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

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