

Extron

Specifications

UCS FT 901 and UCS FR 902

USB host port — Tx unit

Number/signal type	1 USB
USB Host support	xHCI (Transmitter must be connected to a USB 3.2 Gen 1, USB 3.1 Gen 1, or USB 3.0 Host PC port)
Connectors	1 female USB type C
Maximun USB Hubs	0
Minimum USB Hubs	0

USB device ports — Rx unit

Number/signal type	(1) 2-port USB
USB Receiver support	USB 1.x low speed (1.5 Mbps), full speed (12 Mbps), USB 2.0 high speed (480 Mbps), USB 3.2/3.1/3.0 SuperSpeed (5 Gbps)
Connectors	2 female USB 3.x type A
Maximun USB Hubs	1
Minimum USB Hubs	1
Available USB power	1.5 A per USB port

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

NOTE: If an additional USB Hub (or a peripheral device with a built-in USB Hub) is connected to the receiver, it must be a USB 3.x Hub.

Interconnection between transmitter and receiver

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	up to 150 m (493 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

Specifications • UCS TR 90x (Continued)

Power consumption

Transmitter

Device..... 0.7 watts

Device and power supply . 1.1 watts

NOTE: Transmitter can be powered by an included External power supply or the Host PC.

Receiver

Device..... 17.6 watts

Device and power supply . 19.4 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

Cooling..... Convection, no vents

Thermal dissipation

Transmitter

Device..... Multimode: 3.55 BTU/hr

Device and power supply . Multimode: 4.64 BTU/hr

Receiver

Device..... Multimode: 11.15 BTU/hr

Device and power supply . Multimode: 19.95 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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