# EXT3-UE-R

USB 2.0 and Ethernet PoC Receiver

| CAT

EXT3−UE−R is a comprehensive 2−way powering USB 2.0 receiver over extended−reach twisted pair CAT cable. The receiver converts the transmitted CAT signal into USB 2.0, Ethernet, RS−232 and audio signals

## FEATURES

Comprehensive USB Extension - Plug & play USB over CAT receiver for connecting a remote USB host is to the locally connected USB peripherals, employing either interrupt, bulk or isochronous USB 2.0 standard data transfer communication

Simple USB Peripheral Control - Remote IP−driven or serial control, via the CAT−extended control signals of the connected USB peripherals, such as PTZ cameras and soundbars by a remote LAN−connected control system (for example, Kramer Control)

Flexible USB Connectivity - Wide Variety of USB peripheral and dual−role devices can be extended including cameras, touch screens, smart boards, hard drives, game controllers, audio devices, printers, scanners, or HID (Human Interface Devices) devices such as a mouse or keyboard

USB Peripherals Charging - Fast USB charging of connected USB peripherals when the receiver is powered by a power supply, and standard USB charging when the receiver is powered by the transmitter via CAT

Bidirectional Ethernet Extension - LAN interface data flows in both directions, allowing network data transmission and connected−devices control

Bidirectional RS–232 Extension - Serial interface data flows in both directions, allowing data transmission and device control

Audio Extension - The transmitted analog audio line signal from the remote audio source is connected to the locally connected audio playing device

Comprehensive and Cost–effective Management - Local panel indication LEDs facilitate easy local maintenance and troubleshooting. Remote management of connected triggerable I/O devices (such as sensors), via user−friendly embedded web pages and optional whole site management system, ensure lasting and field proven deployment

Easy Installation - Single twisted–pair cable for carrying signal and power wiring. Compact TOOLS® fan–less enclosure for device–back mounting, or side–by–side mounting of 3 units in a 1U rack space with the recommended rack adapter

## TECHNICAL SPECIFICATIONS

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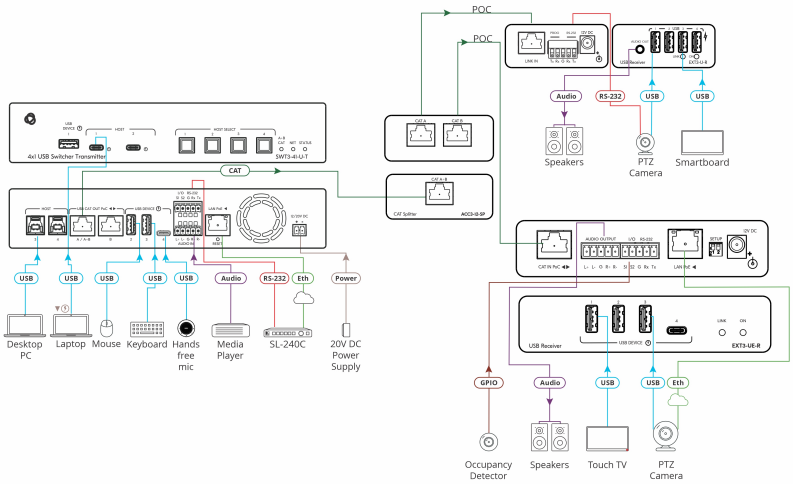
|---|---|
| Inputs | 1 CAT: On an RJ–45 female connector for extension line |
| Outputs | 1 Stereo Analog Balanced Audio: On a 5–pin terminal block for audio extension |
| Ports | 3 USB 2.0 Devices: On USB−A female connectors |
| | 1 USB 2.0 Devices: On a USB−C female connector |
| | 1 PoE-accepting Ethernet: On an RJ–45 female connector for LAN connection and extension over CAT link |
| | 1 RS–232: On a 3–pin terminal block |
| | 2 GPIO: On a 2–pin terminal block |
| Power | USB Device Charging:<br>Max. Total Current: [Device powered via HDBT PoC]: 0.5A |
| | Power Adapter:<br>Source: 12V DC/2A (not included) |
| | Consumption: 1.1A |
| | Max. Power: 12W |
| | PoE:<br>Consumption: 0.15A |
| | Max. Power: 3W |
| | USB Device Charging:<br>Max. Total Current: [Device powered via power supply unit or LAN PoE]: 2A |
| | USB Device Charging:<br>Max. Total Current: [Device powered via HDBT PoC]: 0.5A |
| Extension Line | Reach: Up to 100m (330ft)<br>Note: When using Kramer cables |
| Extended USB | Data Rate: Up to 480Mbps |
| | Integrated USB Hubs: 1 |
| | Transmitted Data Bandwidth: Up to 300Mbps |
| | Standards Compliance: USB 2.0 and 1.1 |
| Extended Ethernet | Data Rate: Up to 100Mbps |
| Extended RS-232 | Baud Rate: 9600 |
| Enclosure | Size Tools |
| | Material: Aluminum |
| | Cooling: Convection ventilation |
| Product Dimensions | 12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96" ) W, D, H |
| Product Weight | 0.2kg (0.5lbs) approx |
| Shipping Dimensions | 49.00cm x 18.60cm x 58.80cm (19.29" x 7.32" x 23.15" ) W, D, H |
| Shipping Weight | 1.0kg (2.1lbs) approx |


POC
POC
Audio
RS-232
USB
USB
Speakers
PTZ Camera
Smartboard
4x1 USB Switcher Transmitter
SWT3-41U-T
CAT
CAT Splitter
AOCO-10-SP
USB
USB
USB
USB
USB
Audio
RS-232
Eth
Power
Desktop PC
Laptop
Mouse
Keyboard
Hands free mic
Media Player
SL-240C
20V DC Power Supply
USB Receiver
EXT3-UE-R
GPIO
Audio
USB
USB
Eth
Occupancy Detector
Speakers
Touch TV
PTZ Camera