

TECHNICAL SPECIFICATION

EUB-220



Description: HDBaseT USB 3.2 Gen 1 Set, USB-B/USB-C, 5G, Box TX to Box RX

Why Use This Product: This USB extender can transmit data at 5Gbps up to 100m over a single CAT6a cable. It includes USB Type-C and Type-B connections.

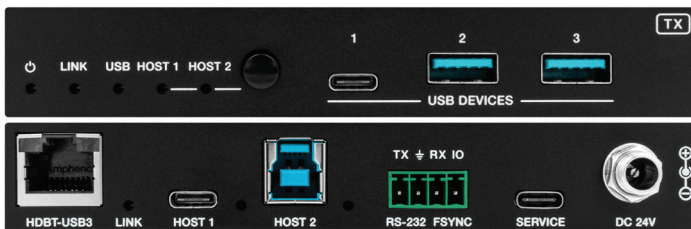
Key Features

- USB 3.2 Gen 1 (5Gbps)
- 100m Range (Over CAT6a)
- Backwards compatible with USB 2.0 and 1.1
- Hardware acceleration for isochronous and bulk transfer
- Plug-n-Play, no drivers or software required
- RS-232 Passthrough
- FSYNC GPIO Passthrough
- Bidirectional 24V Power over Cable (PoC)
(Only TX or RX needs power, not both)



5Gbps

TRANSMITTER



RECEIVER

HDBaseT USB 3.2 Gen 1 Set Box TX to Box RX

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1723 W. 4th Street Tempe Arizona 85281
 P: 800.638.6104 | F: 480.966.6728 | E: sales@covid.com | www.covid.com

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Technical Specifications

Technical

USB Protocol.....USB 3.2 Gen 1
Transmission Rate.....5Gbps
Transmission Distance.....100m/328ft via CAT6a, 1.5m/4.9ft via USB
ESD Protection.....IEC 61000-4-2: ±8kV (Air-Gap Discharge), ±4kV (Contact Discharge)

Connections

Transmitter

Input.....1x USB-C (Female), 1x USB-B (Female)
Output.....1x USB-C (Female), 2x USB-A (Female), 1x HDBT-USB3 (RJ45)
Control.....1x RS-232 (3-pin Phoenix), 1x FSYNC (1-pin Phoenix), 1x SERVICE (USB-C)

Receiver

Input.....1x HDBT-USB3 (RJ45)
Output.....3x USB-A (Female), 1x USB-C (Female)
Control.....1x RS-232 (3-pin Phoenix), 1x FSYNC (1-pin Phoenix), 1x SERVICE (USB-C)

Mechanical

Housing.....Metal Enclosure
Color.....Black
Dimensions.....Transmitter / Receiver: 140mm (W) x 75mm (D) x 23mm (H)
Weight.....Transmitter: 313g Receiver: 318g
Power Supply Input.....AC100 - 240V 50/60Hz
Power Supply Output.....DC 24V / 3.75A
Power Consumption.....Transmitter: 23W (Max) Receiver: 35W (Max)
Operation Temperature.....0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature.....-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity.....20% ~ 80% RH (Non-Condensing)
Storage Humidity.....10% ~ 90% RH (Non-Condensing)

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