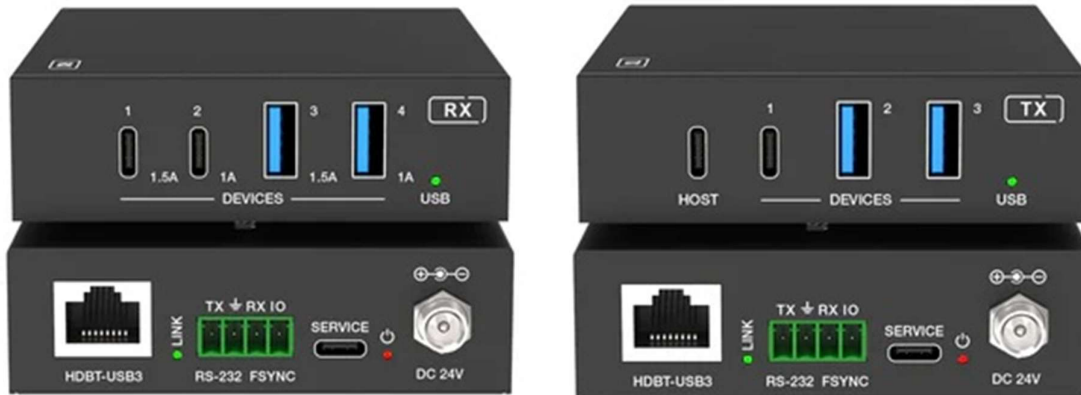




RAV-EX-UAC100-TxRx
Specification Sheet

RAV-EX-UAC100-TxRx

USB-C and USB-A Extender



Features

- Extension of USB 3.2 Gen 1 signals up to 100m/328ft via CAT6a cable.
- USB 3.2 Gen 1 connectivity with data transfer rate up to 5Gbps.
- Backwards compatible with USB 2.0 and 1.1.
- Hardware acceleration for isochronous and bulk transfer.
- Tx features 1x USB-C host port, 1x USB-C and 2x USB-A device port.
- RS-232 & FSYNC transmission pass-through.

Technical Specifications

Technical	
USB Protocol	USB 3.2 Gen 1
Transmission Rate	Up to 5Gbps
Transmission Distance	100m/328ft via CAT6a (F/FTP) cable 1.5m/4.9ft via USB cable
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connections	
Transmitter	Input: 1 x HOST [USB Type C, 24-pin female] Output: 1 x USB-C DEVICE [USB Type C, 24-pin female] + 2 x USB-A DEVICE [USB Type A, 9-pin female] + 1 x HDBT-USB3 [RJ45 connector, 24V PoC] Control: 1 x RS-232 [3pin-3.5mm phoenix connector] + 1 x FSYNC [1pin-3.5mm phoenix connector] + 1 x SERVICE [USB Type C, firmware update port]
Receiver	Input: 1 x HDBT-USB3 [RJ45 connector, 24V PoC] Output: 2 x USB-A DEVICE [USB Type A, 9-pin female] + 2 x USB-C DEVICE [USB Type C, 24-pin female] Control: 1 x RS-232 [3pin-3.5mm phoenix connector] + 1 x FSYNC [1pin-3.5mm phoenix connector] + 1 x SERVICE [USB Type C, firmware update port]
Mechanical	
Housing	Black metal enclosure
Dimensions	Tx / Rx: 100mm [W] x 85mm [D] x 25.5mm [H]
Weight	Tx: 265g; Rx: 275g
Power Supply	Input: AC 100~240V 50/60Hz; Output: DC 24V / 3.75A
Power Consumption	Tx: 23W (Max); Rx: 35W (Max); Tx + Rx: 68W (Max, including line loss)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	Operating: 20%~80% / Storage: 10%~90% (non-condensing)