



USB-C 3.2 Gen1 Dual HDMI Extender Kit, 100m

500536



Overview

The USB-C 3.2 Gen1 Dual HDMI Extender Kit, 100m (model: 500536) enables USB 3.2 Gen1 connectivity at data rates up to 5Gbps & extends true USB up to 100m (328ft) over standard Cat6a UTP cable. Transmitter features with Two USB-C 3.2 Gen1 selectable hosts port, three local (One USB-C and two USB-A) input, one FSYSNC GPIO input and one RS-232 pass-through. Receiver features with three USB 3.2 Gen1 (One USB-C and Two USB-A) outputs, two HDMI output ports, one FSYSNC GPIO output and one RS-232 pass-through. The device also supports 24V Bi-directional PoC.

The USB-C 3.2 Gen1 Dual HDMI Extender Kit, 100m is true plug and play, requires no additional software drivers, and is compatible with all major operating systems. The unit supports a wide variety of USB extension applications including security, industrial control, digital signage, scientific data acquisition and other implementations of USB standards.

Applications

- Conference Rooms
- Classroom Projector Systems
- Collaborative PC Systems
- Digital Signage
- Educational Institutions
- Boardroom Systems

Key Features

- Extension of USB 3.2 Gen1 up to 100m/328ft over CAT6a cable
- USB 3.2 Gen1 connectivity with data transfer rate up to 5Gbps
- Built-in DisplayLink technology for video over USB on dual HDMI outputs, supporting up to 4K/60Hz
- Backwards compatible with USB 2.0 and USB 1.1
- Hardware acceleration for isochronous and bulk transfer
- USB-C and USB-A Ports supports 5VDC up to 1.5A and 1A on the Receiver
- Support RS-232 pass-through and FSYSNC GPIO pass-through (for industry camera use)
- Support bi-directional 24VDC PoC
- Simple plug and play, no driver and setting installation required

Specification

Technical

USB Protocol	USB 3.2 Gen1
Transmission Rate	Up to 5Gbps
Network Bandwidth	10G
Transmission Distance	100m/328ft over CAT6a (F/FTP) cable
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

Connection

Transmitter	Input: 2 × USB HOST [USB-C, 24pin Female] Output: 1 × USB-C DEVICE [USB Type C, 24-pin female] 2 × USB-A DEVICE [USB Type A, 9-pin female] 1 × HDBT-USB3 [RJ45 connector, 24V PoC] Control: 1 × RS-232 [3pin-3.5mm Phoenix Connector] 1 × FSYNC [1pin-3.5mm Phoenix Connector] 1 × SERVICE [USB-C,Update Port]
Receiver	Input: 1 × HDBT-USB3 [RJ45 connector, 24V PoC] Output: 2 × USB-A DEVICE [USB Type A, 9-pin female] 1 × USB-C DEVICE [USB Type C, 24-pin female] 2 × HDMI OUT [Type A, 19-pin Female] 1 × AUDIO OUT [Terminal Block 5-pin] Control: 1 × RS-232 [3pin-3.5mm Phoenix Connector] 1 × FSYNC [1pin-3.5mm Phoenix Connector] 1 × SERVICE [USB-C, Firmware Update Port]

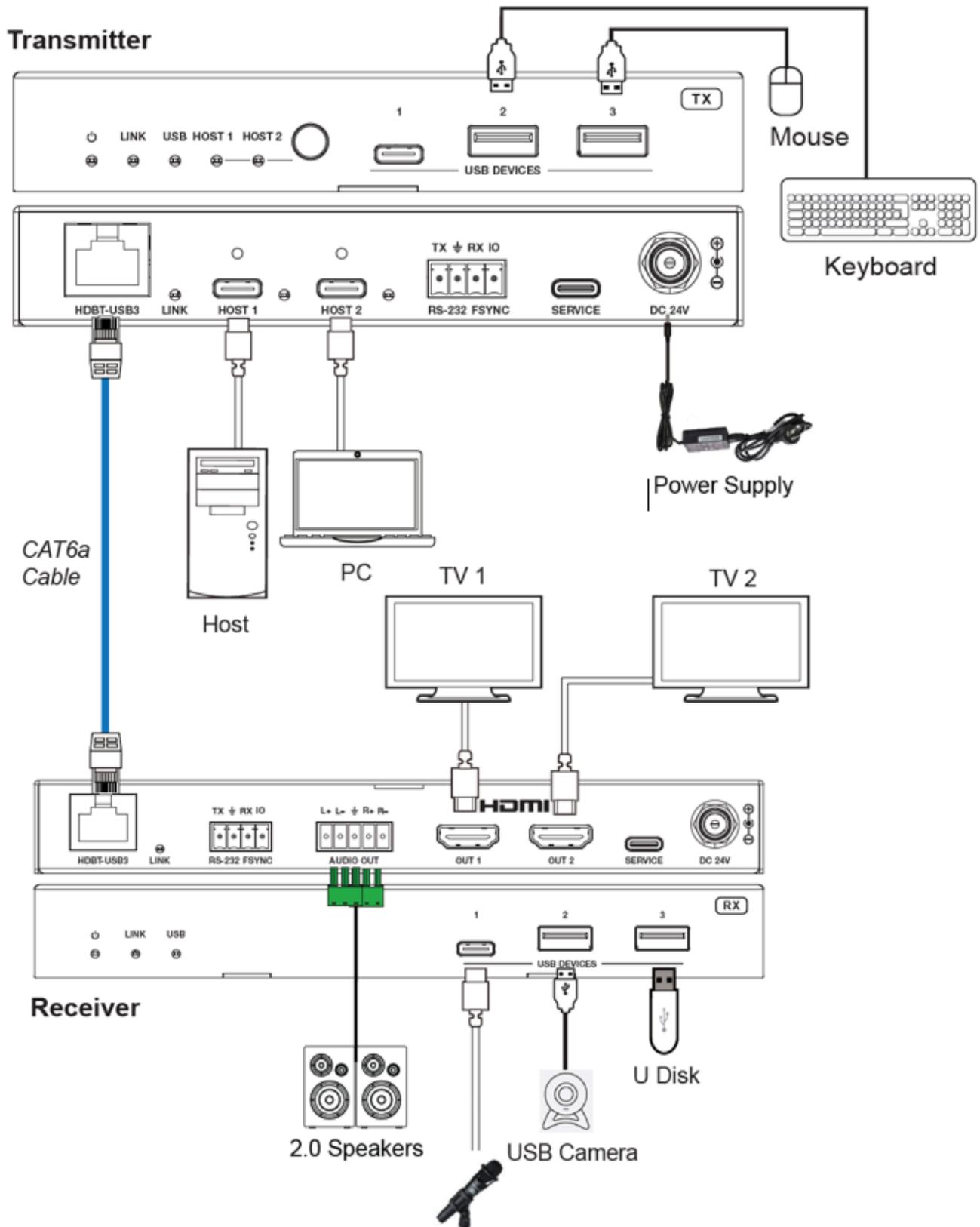
Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter: 140mm [W] × 75mm [D] × 23mm [H] Receiver: 180mm [W] × 95mm [D] × 23mm [H]
Weight	Transmitter: 324g, Receiver: 486g
Power Supply	Input: 100~240VAC 50/60Hz Output: 24VDC/3.75A
Power Consumption	PoC Power Supply:68W (Max)
Operating Temperature	0°C ~ 40°C /32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

Generic Specification

Warranty	2 years
Order Information	500536 USB-C 3.2 Gen1 Dual HDMI Extender Kit, 100m (UPC: 627699005361)

Application Example



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