

# VEX-E4501T

## UHD+ HDMI over HDBaseT Transmitter with USB KVM

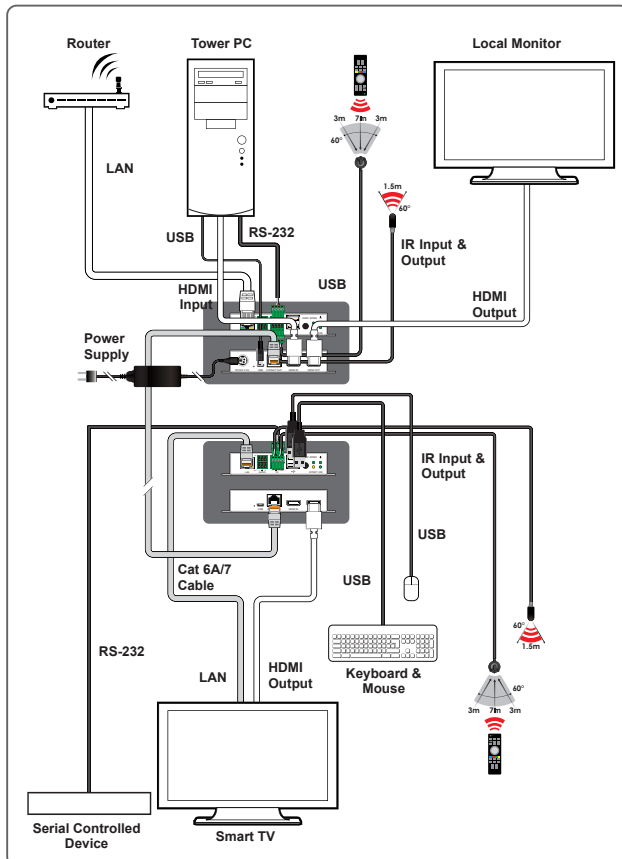


This Transmitter is new generation HDBaseT 3.0 technology, it is a great solution for extending uncompressed HDMI 2.0 4K@60 (4:4:4, 8-bit) video and HD audio as well as Ethernet and control via a single run of Cat.6a/7 cable over distances of up to 100 meters. Multiple control and data signals may also be transmitted along with the audio and video, including IR, RS-232, USB 2.0, and 1000BaseT Ethernet. This Transmitter is ideal for any scenario which needs uncompressed video like medical equipment, conference room, education and anything you want to extend.

### PANELS



### DIAGRAM



### FEATURES

- HDMI input and output with 3D & 4K video support (18Gbps)
- 1 HDMI output (Functions as local monitor output)
- HDBaseT 3.0 compatible, Backward compatibility with HDBaseT 2.0/1.0 product
- Supports HDBaseT features: HD video and audio, individual 1000BaseT and 100BaseT Ethernet ports, POH and control (bi-directional IR/RS-232/USB pass-through)
- Supports analog audio and optical audio pass-through.
- Multiple USB hosts may be connected at once (up to 2 total, between the Tx and a compatible Rx unit) with a single selected host active at a time
- Supports providing PoH power from Transmitter to Receiver in same HDBaseT port.

### SPECIFICATIONS

#### Interfaces

<b>Input Port</b>	1×HDMI (Type-A)
<b>Output Port</b>	1×HDMI (Type-A) 1×HDBT(RJ-45)
<b>Pass-through Port</b>	1x Stereo Audio input and output (3-pin*2 Term. Block) 1×IR In/Out and RS-232 (4-pin*2 Term. Block) 2×USB 2.0 (Type A) 1×LAN (RJ-45)
<b>Pass-through/Control Port</b>	1×USB 2.0 (Micro USB)

#### Video

<b>HDMI Compliance</b>	HDMI 2.0
<b>HDCP Compliance</b>	HDCP 2.2
<b>Input Signal Type</b>	HDMI 4K@60 8bit RGB 4:4:4 HDBT 4K@60 8bit RGB 4:4:4
<b>Output Signal Type</b>	HDMI 4K@60 8bit RGB 4:4:4 HDBT 4K@60 8bit RGB 4:4:4

#### Resolutions

<b>Maximum Input</b>	HDMI	4096×2160p@60
	HDBT	4096×2160p@60
<b>Maximum Output</b>	HDMI	4096×2160p@60
	HDBT	4096×2160p@60

#### Audio

<b>HDMI</b>	LPCM (8 Channels), Bitstream, HD Bitstream
<b>HDBT</b>	LPCM (8 Channels), Bitstream, HD Bitstream
<b>Analog Out</b>	2 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)

#### Power

<b>Power Supply</b>	24V/2.7A DC
<b>Power Consumption</b>	12W

#### Enclosure

<b>Chassis Material</b>	Metal(Steel)
<b>Chassis Color</b>	Black
<b>Dimensions (W×H×D)</b>	128mm×25mm×108mm [Case Only] 128mm×25mm×112.5mm [All Inclusive]
<b>Weight</b>	400g

#### Field Firmware Update

USB stick Update

### ORDERING INFORMATION

<b>Model No.</b>	Product Description
<b>VEX-E4501T</b>	UHD+ HDMI over HDBaseT Transmitter with USB KVM
<b>VEX-E4501R</b>	UHD+ HDMI over HDBaseT Receiver with USB KVM
<b>VEX-E4701TR</b>	UHD+ HDMI over HDBaseT Transceiver with USB KVM