

HDMI HDBaseT Extender, 100m with USB



Main Features

- HDMI 2.0b, HDCP 2.2 Compliant
- Up to 4K/60Hz with 24bit RGB/YCBR 4:4:4
- 18Gbps Zero Latency (Uncompressed)
- HDR, HDR10, HDR10+ and Dolby Vision pass through
- LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio
- Up to 100m using CAT6/6a cable
- Supports USB 2.0 for KVM
- Two way IR, Full Duplex RS232 and 1Gbps LAN pass-through
- Receiver Supports Audio Extraction
- Power over Cable (PoC)

This 18Gbps Extender extends high definition video, audio, bi-directional IR, RS-232, USB 2.0 for KVM and 1G LAN. The supported transmission distance is up to 90 meters for 4K2K@60Hz 4:4:4 resolution and 100 meters for 1080P60Hz resolution between transmitter and receiver over a single CAT 5e/6 cable.

The transmitter supports local audio extraction, bi-directional IR pass-through for controlling both source and display devices. It also supports PoC (power over cable).

The extender includes two units, transmitter and receiver. The transmitter captures the incoming signals and transmits them over one cost effective Cat5e/6 cable. The receiver unit receives the signals and presents them as outputs for connecting to your devices.

This extender offers the most convenient solution for HDMI extension via a single Cat5e/6 with long distance capability, and is the perfect solution for any application.

Specifications

Connections		
Transmitter	Input:	1 x HDMI Type A (19-Pin Female)
	Output:	1 x HDBaseT (RJ45 Data Socket)
		1 x SPDIF (Optical)
		1 x L/R Stereo Audio (3.5mm Jack Socket)
		1 x 1G LAN (RJ45 data socket)
	Control:	1 x IR IN (3.5mm Jack Socket)
		1 x IR Out (3.5mm Jack Socket)
		1 x RS232 (Phoenix Terminal)
		1 x Service (Mini-USB)
		1 x USB Host (USB-B, 4-Pin Female)
Receiver	Input:	HDBaseT (RJ45 Data Socket)
		1 x SPDIF (Optical)
	Output:	1 x HDMI Type A (19-Pin Female)
		1 x 1G LAN (RJ45 data socket)
	Input:	1 x IR IN (3.5mm Jack Socket)
		1 x IR Out (3.5mm Jack Socket)
		1 x Service (Mini-USB)
		1 x RS232 (Phoenix Terminal)
		2 x USB (USB-A, 4-Pin Female)
	Technical	
HDMI and HDCP Compliance	HDMI 2.0b, HDCP 2.2 / HDCP 1x and DVI 1.0	
HDMI in/out Video Resolutions	4K2K 50/60Hz 4:4:4	
	4K2K 50/60Hz 4:2:0	
	4K2K 30Hz 4:4:4	
	1080p, 1080i, 720p, 480p, 480i	
	All PC resolutions including 1920 x 1200	
Colour Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0	
Colour Depth	8-bit, 10-bit, 12-bit, [1080p, 4K/30Hz, 4K/60Hz (YCbCr 4:2:0) 8-bit [4K/60Hz (YCbCr 4:4:4)]]	
HDMI Audio Formats	PCM 2.0 / 5.1 / 7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS HD Master Audio, DSD	
L/R Audio Formats	PCM 2.0, Dolby Digital, Dolby Digital Plus, DTS	
HDR Formats	HDR10, HDR10+, HLG	
USB	USB 2.0, Transmission Rate up to 480mb/s	
L/R Audio Formats	LPCM 2.0CH	
Power		
Power Supply	Input:	100~240V 50/60Hz
	Output:	DC 24V / 1A
Power Consumption	13W (max)	
Operating Temperature	Operating Temp. 0°C ~ 40°C, Storage Temp. -20°C ~ 60°C	
Relative Humidity	20~90% RH (non-condensing)	
Mechanical		
Housing	Metal Enclosure, Colour Black	
Dimensions	TX & RX = (W) 165 x (D) 88 x (H) 20mm	
Weight	TX = 170g and RX = 165g	