

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, 1Gbps LAN and CEC 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
Infrared Frequency		20 to 60KHz
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