4K2K HDMI 2.0 KVM USB 2.0 Extender

Up to 100m at 1920x1200

HEXTU20A-100-PoH Features

This HDMI 2.0 KVM USB extender over CAT6/6a/7 allows you to extend your HDMI signal up to ~100 metres away using standard, inexpensive CATx cabling.

The HDBaseT technology allows the extension of uncompressed Full HD 1080p or 4K2K Ultra HD video as well as digital surround sound audio, 4 x USB2.0 ports, separate audio and microphone all over just one single CATx cable.
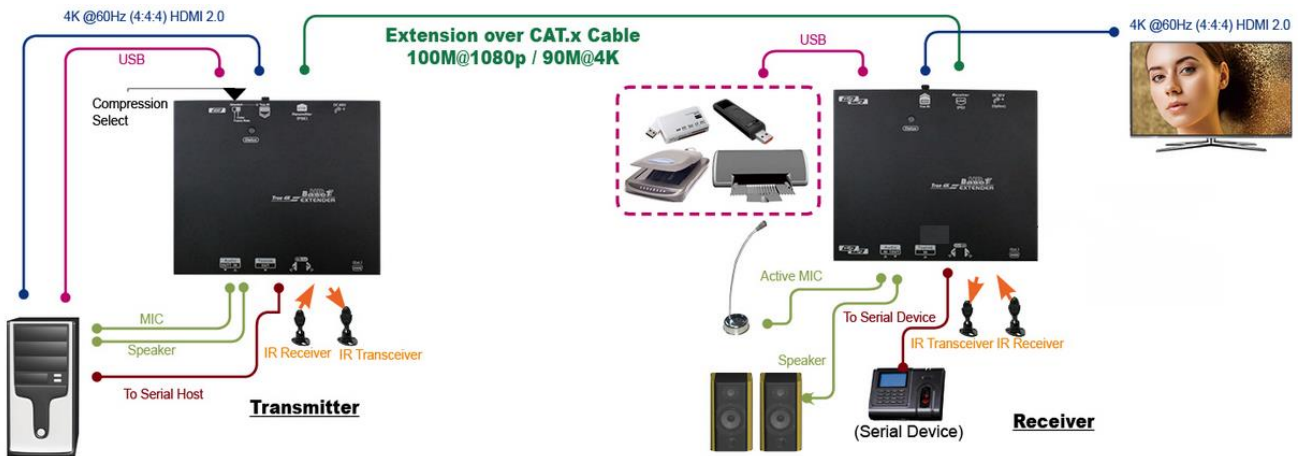
The 4 x USB2.0 ports allows the use of isochronous devices such as USB cameras for video conferencing

This HDMI 2.0 KVM extender also has a unique Phantom Power feature: PoH – Power Over HDBaseT. With PoH, only one AC power adapter required and can be connected to either the transmitter or receiver.

Features
• Extends your HDMI signal up to 100 metres over a single CAT6/6a/7 UTP or STP cable
• Supports uncompressed Full HD 1080p/1200 video up to 100m
• Supports uncompressed 4K2K@30Hz Ultra HD video up to 90m

- Supports Visually Lossless Compression 4K2K@60Hz 8 bit 4:4:4 Ultra HD video up to 90m
- Supports full uncompressed digital audio
- Supports High Speed HDMI 2.0
- 4 x USB 2.0 ports for keyboard & mouse and other USB2.0 devices including isochronous devices
- Supports RS-232 extension and individual microphone and audio
- Phantom Power feature PoH - use a single AC adapter at either transmitter or receiver end
- HDMI resolution support: 4K2K@60/30Hz, 1200/1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- Deep Colour support: up to 24-bit and 36-bit
- Audio format support: LPCM, Dolby AC-3, DTS7.1 & DSD
- HDCP version: HDCP v1.2
- Supports bandwidth up to 600MHz (10.2Gbps)

Model	Transmitter Unit	Receiver Unit
HEXTU20A-100	HEXTU200A-100-Tx	HEXTU200A-100-Rx
Video Input / Output	HDMI x 1 (input)	RJ-45 x 1 (output)
Link Port	RJ-45 x 1	HDMI x 1
LED (Link / Video status)	(Multi-Colour) x 1	(Multi-Colour) x 1
LED (USB Status)	x 1	x 1
IR Extension	IR Transceiver x 1 IR Receiver x 1	IR Transceiver x 1 IR Receiver x 1
USB 2.0	USB2.0 Host x 1	USB2.0 Device x 4 Isochronous support
Video Resolution (max.)	UHD (3840 x 2160 @30Hz or 60Hz 4:4:4 pending colour bits)	
Audio	Embedded Digital HDMI and Independent Audio and Microphone	
Extension Distance	~100M @ Full HD (1920 x 1080) ~90M @ UHD (3840 x 2160)@60Hz or 30Hz	
Power Supply	DC 24V PoH Power Over Cable/Ethernet- single power supply at either one end of two units (Tx & Rx)	
Enclosure	Metal	

Dimensions H x W x D	32 x 126.5 x 106.5mm	
Weight (g)	270	
Environmental	Operating temperature	+0 to +40° C (+32° to 104° F)
	Operating humidity	10% to 85% (Non-condensing)
	Storage temperature	-20° to +60°C (-4° to +140° F)
Certification	CE, FCC, RoHs, C-Tick	

NOTE: Preference for CAT6a 500Mhz or CAT7 600Mhz cabling for optimal resolutions and distance