

4K2K HDMI USB KVM Extender

Up to 100m @ 1920x1200 or 70m @ 4K 4:4:4



HEXTU46-100-PoC Features

The 4K2K @60Hz 4:4:4 HDMI USB KVM Extender over CAT6/6a/7 allows you to extend your HDMI signal up to ~100 metres away using standard, inexpensive CATx cabling.

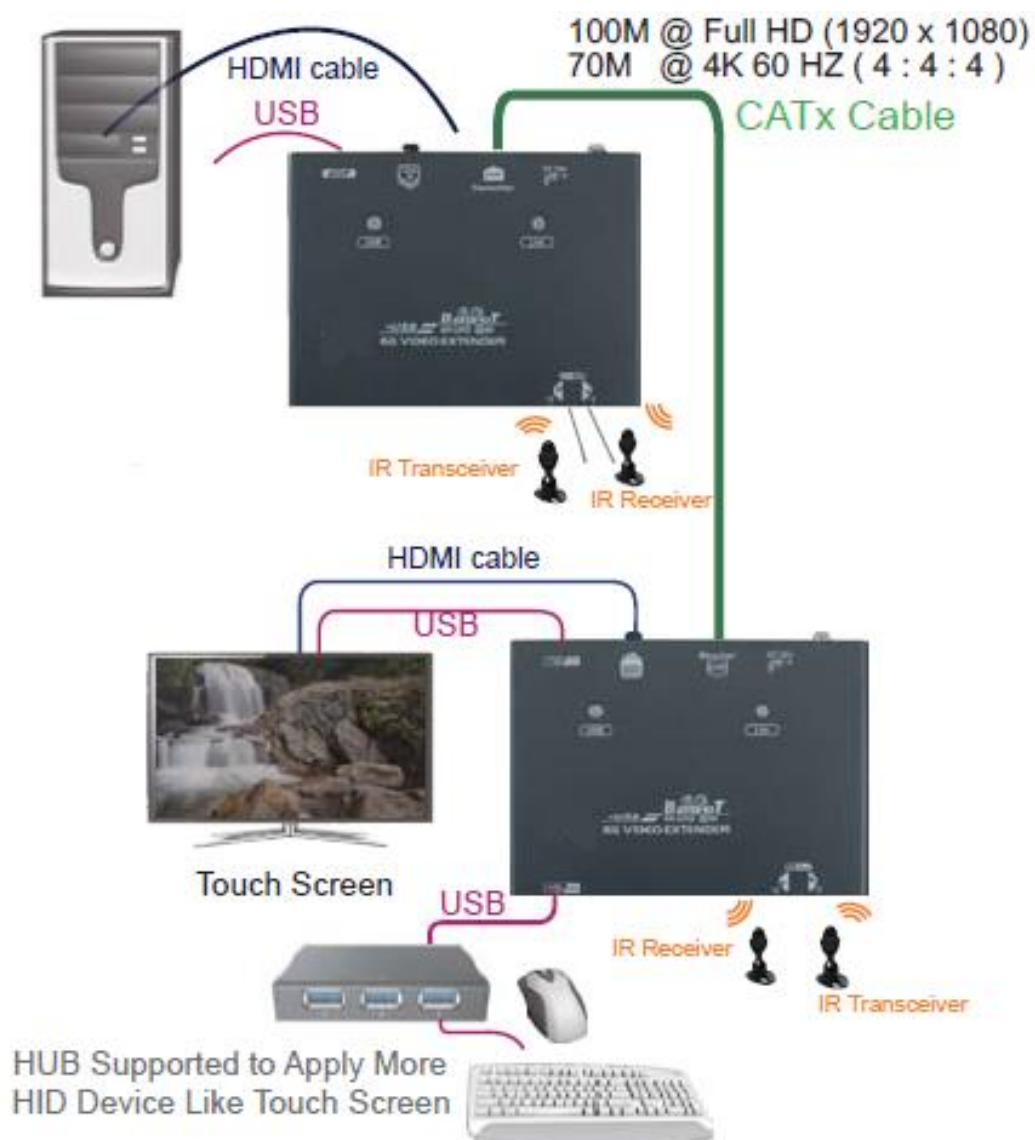
The HDBaseT technology allows the extension of uncompressed Full HD 1080p and visually lossless 4K2K@60Hz 4:4:4 video, digital surround sound audio, 2 x USB ports that also allow an add-on USB HUB for any touchscreen devices, and bi-directional IR, all over just one single CATx cable.

This HDMI 2.0 KVM extender also has a unique Phantom Power feature: PoC – Power Over Cable. With PoC, only one AC power adapter is 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 Visually Lossless Compression 4K2K@60Hz 8 bit 4:4:4 Ultra HD video up to ~70m
- Supports full uncompressed embedded digital audio within the HDMI signal

- Supports USB for Keyboard & Mouse. Will also allow a USB HUB to be added for a touch screen
- Bi-directional IR extension feature supports full frequency IR signals from 38KHz to 56KHz
- Phantom Power feature PoC - 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
- Audio format support: LPCM, Dolby AC-3, DTS7.1 & DSD
- HDCP version: HDCP 2.2





Model	Transmitter Unit	Receiver Unit
HEXTU46-100	HEXTU46-100-Tx	HEXTU46-100-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	USB Host x 1	USB Device x 2 Optional HUB
Video Resolution (max.)	UHD 3840 x 2160 @ 60Hz 4:4:4	
Audio	Embedded Digital HDMI	
Extension Distance	~100M @ Full HD (1920 x 1080) ~70M @ UHD (3840 x 2160)@60Hz 4:4:4	
Power Supply	DC 18V PoC Power Over Cable/Ethernet- single power supply at either Transmitter or Receiver side	
Enclosure	Metal	
Dimensions H x W x D	33 x 102 x 75mm	
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 24AWG solid core CAT6a 500Mhz or CAT7 600Mhz cabling for optimal resolutions and distance with grounded STP over UTP for high EMI or RFI environments.