4K 18Gbps HDMI USB KVM Extender over HDBase-T
XTENDEX®

Extend Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI display, Multi-channel Audio, USB keyboard/mouse and IR up to 230 feet away from the source using HDBase-T technology

- Transmits an uncompressed high speed HDMI signal over one CAT6/6a/7 cable.
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160@60Hz YUV 4:4:4, and HDTV resolutions to 1080p.
- HDMI features supported:
  - HDMI 2.0
  - 24-bit Deep Color
  - RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
  - LPCM, Dolby Digital, and DTS Digital
  - Bandwidth up to 600 MHz (18 Gbps).
  - Support for CEC (consumer electronic control) compatible devices.
  - 3D
  - HDR
- HDCP 2.2 compliant.
- Bi-directional Infrared Remote (IR) control of HDMI source or display. IR transport channel can be forward or backward per the installation.
- USB ports for keyboard and mouse.
  - Keyboard and mouse are hot-pluggable.
- Only one power supply is necessary to power both the local and remote units.

ST-C6USB4K18GB-HDBT230
(Remote and Local Unit)

- **Extend Ultra-HD 4Kx2K video, USB, and IR to 230 ft via one CATx cable**
- **18Gbps bandwidth**
- **Only one power supply required**

The XTENDEX® 4K 18Gbps HDMI USB KVM Extender over HDBase-T transmits uncompressed digital Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI signal, USB, and IR up to 230 feet over a single CATx cable using HDBase-T technology. Each extender consists of a local unit that connects to a computer, and a remote unit that connects to a keyboard, monitor and mouse.

Specifications

Local Unit

- Compatible with a USB computer or HDTV video source with HDMI output.
- Multiplatform support: Windows 2000/XP/Vista/7/8/10, Windows Server 2000/2003/2008/2012/2016, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- One female HDMI connector.
- One female USB Type A connector.
- Two female 3.5mm ports for connecting an IR emitter and receiver (included).
- One female RJ45 port for sending/receiving high definition video, audio, IR and USB.
- Supports HDCP 2.2.

Power

- Powered from a single power supply attached to the remote unit.
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (US AC adapter included.)
  - Output: 12VDC, 2A

Environmental

- Operating temperature: 32 to 131°F (0 to 55°C).
- Storage temperature: -14 to 158°F (-10 to 70°C).
- Operating and storage relative humidity: 0 to 90% non-condensing RH.

Remote Unit

- One female HDMI connector for display.
- Two female USB Type A connectors for keyboard and mouse.
- Two female 3.5mm ports for connecting an IR emitter and receiver (included).
- One female RJ45 port for sending/receiving high definition video, audio, IR and USB.
- Supported video resolutions:
  - Ultra-HD 4Kx2K 60Hz 4:4:4 resolutions (3840x2160 @30/50/60Hz)
  - HDTV resolutions to 1080p
- Supports HDCP 2.2.
- Max data rate: 18Gbps

Dimensions

- WxDxH (in): 3.43x4.31x0.92 (87x109.5x23.4mm)

Max Distance

- 230 feet (70 meters) over CAT6/6a/7 cable.

Regulatory Approvals

- CE, FCC, RoHS

Warranty

- Two years

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Specifications (continued)

Cables

- Interface cables between the video source/display and the transmitter/receiver are required for proper operation.
  - Supports cable lengths to 10 feet for 4Kx2K resolutions and 50 feet for 1080p.
    - Longer cables can be used provided they have a built-in video equalizer (also known as "active HDMI cables").
- Use HD-xx-MM cable to connect an HDMI source or display (not included).
- Use DVI-HD-xx-MM cable to connect a DVI source or display (not included).
  - Does not support 4Kx2K resolutions.
- Use CAT6/6a/7 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).
- 1-meter male USB Type A to male USB Type A interface cable included.

Package Includes

- One transmitter unit
- One receiver unit
- Two IR emitters
- Two IR receivers
- One power supply
- One USB Type A to Type A cable
- User manual

Configuration and Cable Illustrations

CAT6/6a/7 Cable (Extends up to 230 feet)

ST-C6USB4K18GB-HDBT230 Local Unit — ST-C6USB4K18GB-HDBT230 Remote Unit

AC Adapter, IR Emitter, IR Receiver, IR Remote Control, 4Kx2K, Remote 4K HDMI USB Monitor, Remote USB Keyboard and Mouse, 4K HDMI USB Computer