Extend Ultra-HD 4Kx2K 30Hz 4:4:4 DisplayPort display, audio, USB keyboard/mouse, and RS232 up to 328 feet away from the source using HDBase-T technology

- Transmits an uncompressed high speed DisplayPort signal over one CAT6/6a/7 cable.
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 and 4096x2160 @30Hz YUV 4:4:4, and HDTV resolutions to 1080p @60Hz.
  - Extend 4Kx2K up to 328 (100 meters) feet over a CAT6/6a/7 cable.
  - Extend 1080p up to 492 (150 meters) feet over CAT6/6a/7 cable.
- DisplayPort features supported:
  - DisplayPort 1.2a
  - 48-bit Color
  - RGB, YCbCr 4:4:4
  - LPCM, Dolby TrueHD, and DTS-HD Master Audio
  - 3D
- HDCP compliant.
- USB 2.0 port supports fully transparent USB connection.
  - Extend a USB device such as a keyboard, mouse, game controller, USB flash drive, touch screen monitor, whiteboard, etc.
  - Compliant with USB 2.0 (low/full/high speed) standards.
  - Use a USB hub to extend multiple USB devices.
- Supports full-duplex RS232 at 115200 baud.
- Integrated mounting brackets for easy surface/wall mounting.

The XTENDEX® 4K DisplayPort USB KVM Extender over HDBase-T transmits uncompressed digital Ultra-HD 4Kx2K 30Hz 4:4:4 DisplayPort signal, transparent USB, and RS232 up to 328 feet away from 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 UHD DisplayPort display and USB 2.0 device.

Configuration and Cable Illustrations

How to extend Ultra-HD 4Kx2K 30Hz 4:4:4 DisplayPort display, audio, USB keyboard/mouse, and RS232 up to 328 feet away from the source using HDBase-T technology
Extend Ultra-HD 4Kx2K 30Hz 4:4:4 DisplayPort display, audio, USB keyboard/mouse, and RS232 up to 328 feet away from the source using HDBase-T technology

**Specifications**

**Local Unit**
- Compatible with a USB computer or UHD video source with DisplayPort output.
- Multiplatform support: Windows XP/7/10, Linux, and MAC OS 10.
- One female DisplayPort connector.
- One female USB Type B connector.
- One female 3.5 mm port for RS232 connection.
- One female RJ45 port for sending/receiving UHD video, audio, USB, and RS232 signals.
- HDCP compliant.

**Remote Unit**
- One female DisplayPort connector for display.
- One female USB Type A connector.
  - Transparent data extension.
  - Supports a high-speed (480 Mbps), full-speed (12 Mbps), or low-speed (1.5 Mbps) USB device - keyboard, mouse, game controller, USB flash drive, touch screen monitor, whiteboard, etc.
  - Use a USB hub to extend multiple USB devices.
- One female 3.5 mm port for RS232 connection.
- Support full-duplex RS232 up to 115200 baud.
- One female RJ45 port for sending/receiving UHD video, audio, USB, and RS232 signals.
- Supported video resolutions:
  - Ultra-HD 4Kx2K 60Hz 4:4:4 resolutions (4096x2160 and 3840x2160 @ 30Hz)
  - HDTV resolutions to 1080p @ 60Hz
- Supports embedded digital audio through DisplayPort compatible displays or audio receivers.
- HDCP compliant.

**Dimensions**
- WxDxH (in): 4.31x4.31x1.18 (109x109x30 mm)

**Power**
- Local and remote unit:
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter (included).
  - Output: 5VDC, 2A

**Environmental**
- Operating temperature: 14 to 113°F (-10 to 45°C).
- Storage temperature: -22 to 167°F (-30 to 75°C).
- Operating/storage relative humidity: up to 95% non-condensing RH.

**Regulatory Approvals**
- CE, RoHS

**Warranty**
- Two years

**Max Distance**
- Extend 4Kx2K up to 328 feet (100 meters) over CAT6/6a/7.
- Extend 1080p up to 492 feet (150 meters) over CAT6/6a/7.

**Cables**
- Interface cables between the source/display and the transmitter/receiver are required for proper operation.
- Use DP-xx-MM to connect a DisplayPort source or display up to 15 feet (not included).
- Use DP4K21GB-FO-xxM-MM to connect a DisplayPort source or display up to 100 meters (not included).
- Use CAT6/6a/7 solid straight through cables for TIA/EIA 568B wiring terminated with standard RJ45 connectors (not included).
- One male USB Type A to male USB Type B interface cable included.
- One male 3.5mm to female DB9 RS232 cable included.
- One male 3.5mm to male DB9 RS232 cable included.
Low-Cost 4K HDMI USB KVM Extender Over IP

XTENDEX®

Extend 4Kx2K HDMI monitor, Audio, USB keyboard, and USB mouse up to 328 feet using Gigabit Ethernet.

Configuration and Cable Illustrations

Many-to-Many Connections

Point-to-Many Connections

AC Adapter

ST-IPUSB4K-L-LC
(Local Unit)

4Kx2K

AC Adapter

ST-IPUSB4K-L-LC
(Local Unit)

4Kx2K

AC Adapter

AG Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

HDMI USB PC/SUN/MAC

Local 4K HDMI Display

4Kx2K

HDMI USB PC/SUN/MAC

Local 4K HDMI Display

4Kx2K

Managed Network Switch

= HD-xx-MM
= CAT6/6a/7 Cable

AC Adapter

ST-IPUSB4K-L-LC
(Local Unit)

4Kx2K

AC Adapter

ST-IPUSB4K-L-LC
(Local Unit)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

AC Adapter

ST-IPUSB4K-R-LC
(Remote Units)

4Kx2K

Point-to-Many Connections

Point-to-Many Connections

Point-to-Many Connections

Point-to-Many Connections

Extend 4Kx2K HDMI monitor, Audio, USB keyboard, and USB mouse up to 328 feet using Gigabit Ethernet.