

4K 10.2Gbps HDMI Extender over HDBase-T with USB and RS232 XTENDEX®

Extend a 4Kx2K HDMI display, USB 2.0 device and RS232 up to 328 feet away from the source.

- Transmits an uncompressed high speed HDMI signal over one CAT6/6a/7 cable.
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160, 2K resolution 2048x1080, HDTV resolutions to 1080p, and up to 1920x1200 (WUXGA).
- HDMI features supported:
 - x.v.Color, sYCC601 color, Adobe RGB Color and Adobe YCC601 color
 - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, and DTS
 - Bandwidth up to 340 MHz (10.2 Gbps).
 - Support for CEC (consumer electronic control) compatible devices.
 - 3D
 - Lip Sync
- HDCP compliant.
- Supports the DDC2B protocol.
- USB 2.0 port for keyboard, mouse, flash drive, HDD, or touchscreen display.
 - Compliant with USB 2.0 (low/full/high speed) standards.
 - Use a USB hub to extend multiple USB devices.
- Supports full-duplex RS232 up to 115200 baud.
- Compact size.
- Optional mounting bracket for easy surface/wall mounting.



XTENDEX® ST-C6USB4K-HDBT (Local & Remote Unit)

The XTENDEX® 4K HDMI Extender over HDBase-T with USB and RS232 transmits uncompressed digital 4Kx2K HDMI signal, USB and RS232 up to 328 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 UHD HDMI display and USB 2.0 device.

Specifications

Local Unit

- Compatible with a USB computer (PC, SUN and MAC) with Ultra-HD HDMI output.
 - Use an HDMI to DVI adapter/cable to connect a DVI source.
 - ♦ If a DVI source is used, a DVI monitor must be connected to the remote unit.
- Multiplatform support: Windows 2000/XP/Vista/7/8/10, Windows Server 2000/2003/2008/2012, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- One female HDMI connector.
- One female USB Type Mini B connector.
- 3-pin screw terminal for RS232.
- One female RJ45 port for sending/receiving UHD video, audio, USB, RS232 and DDC signals.

Max Distance

- 328 feet (100 meters) over CAT6/6a/7 cable.

Dimensions

- WxDxH (in): 1.73x2.87x0.98 (44x73x25mm)

Power

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

Remote Unit

- One female HDMI connector for display.
 - If an HDMI display is used, an HDMI or DVI source can be connected to the local unit.
 - Use an HDMI to DVI adapter/cable to connect a DVI display.
 - ♦ If a DVI monitor is used, a DVI source must be connected to the local unit.
- One female USB Type Mini B connector for connecting USB keyboard, mouse, flash drive, HDD, or touchscreen display.
 - Use a USB hub to extend multiple USB devices.
- 3-pin screw terminal for RS232.
 - Support full-duplex RS232 up to 115200 baud.
- Supported video resolutions:
 - Ultra-HD 4Kx2K resolutions
 - ♦ 3840x2160 at 60Hz, 4:2:0
 - ♦ 3840x2160 at 30Hz, 4:4:4
 - 2K Cinema (2048x1080 at 60Hz)
 - HDTV resolutions to 1080p
 - Up to 1920x1200 (WUXGA)
- Supports embedded digital audio through HDMI compatible TVs or audio receivers.

Regulatory Approvals

- CE, FCC, RoHS
- TAA compliant.

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Specifications (continued)

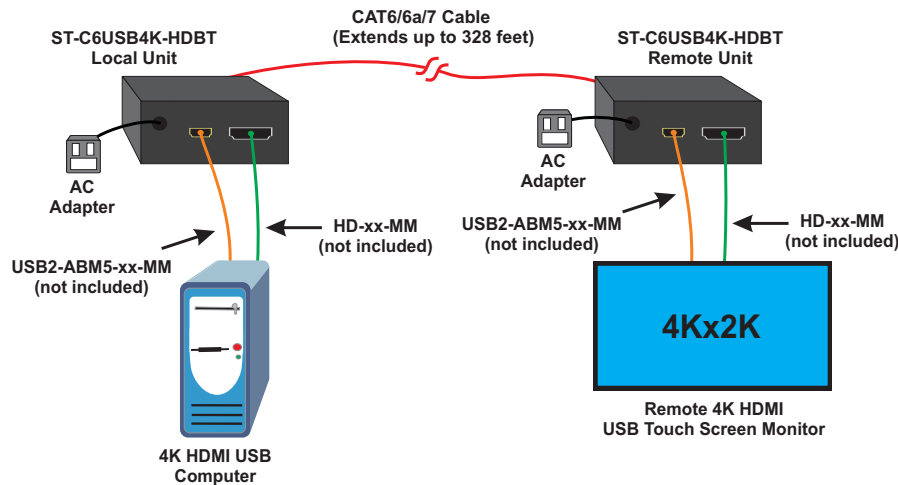
Environmental

- Operating temperature: 32 to 122°F (0 to 50°C).
- Storage temperature: -4 to 167°F (-20 to 75°C).
- Operating and storage relative humidity: 5 to 95% non-condensing RH.
- Use CAT5e/6/6a/7 solid straight through cables for TIA/EIA 568B wiring terminated with standard RJ45 connectors.
- Cables not included.

Cables

- Interface cables between the source/display and the transmitter/receiver are required for proper operation.
 - Supports cable lengths to 30 feet.
 - Cables longer than 30 feet 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.
- Use DVI-HD-xM-MM cable to connect a DVI source or display.
 - If a DVI source is used, a DVI monitor must be connected to the remote unit.
- Use HD-ACT-xx-MM 4K HDMI Active Cables to connect an HDMI source or display up to 100 feet.
- Use CAT6/6a/7 solid straight through cables for TIA/EIA 568B wiring terminated with standard RJ45 connectors.
- Cables not included.

Configuration and Cable Illustration



Options

VESA Mounting Bracket

- Use to mount the remote unit to the back of a flat panel monitor.
- Compliant to VESA 75 and 100 mm (3 and 3.9 in) mounting hole patterns.

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NTI Part #	Description
ST-C6USB4K-HDBT	4K HDMI Extender over HDBase-T with USB and RS232
MK-STC6USB4KHDBT	VESA Mounting Bracket for ST-C6USB4K-HDBT Remote Unit