

HDMI USB KVM Extender over HDBase-T

XTENDEX®

Extend HD1080p, Multi-channel Audio, USB keyboard/mouse, IR, RS232 and optional Ethernet up to 328 feet over HDBase-T technology

- Transmits an uncompressed high speed HDMI signal over one CAT5e/6/7 cable.
- Supports HDTV resolutions to 1080p and computer resolutions to 4096x2160.
- Only one power supply is necessary to power both the local and remote units.
- HDMI features supported:
 - 4K x 2K - 3840x2160 and 4096x2160 resolutions
 - 48-bit Deep Color
 - x.v.Color, sYCC601 color, Adobe RGB Color and Adobe YCC601 color
 - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, and DTS
 - 3D
 - Bandwidth up to 3.4GHz
 - Support for CEC (consumer electronic control) compatible devices.
 - Lip Sync
- HDCP compliant.
- Supports the DDC2B protocol.
- Full Infrared Remote (IR) control of HDMI source from remote HDTV using existing source remote control.
- USB ports for keyboard and mouse.
 - Keyboard and mouse are hot-pluggable.
 - Keep-alive keyboard/mouse emulation for flawless operation.
- Features an additional USB port on the remote unit for a touch screen monitor, interactive whiteboard, or CAC card reader.
- Bi-directional RS232 interface.
- Optional Ethernet port on the transmitter and receiver for connecting network devices such as 100Base-T routers, hubs, smart TVs or smart Blu-Ray players.
- Integrated mounting brackets for easy surface/wall mounting.
- High quality, rugged steel construction with durable powder coat finish.

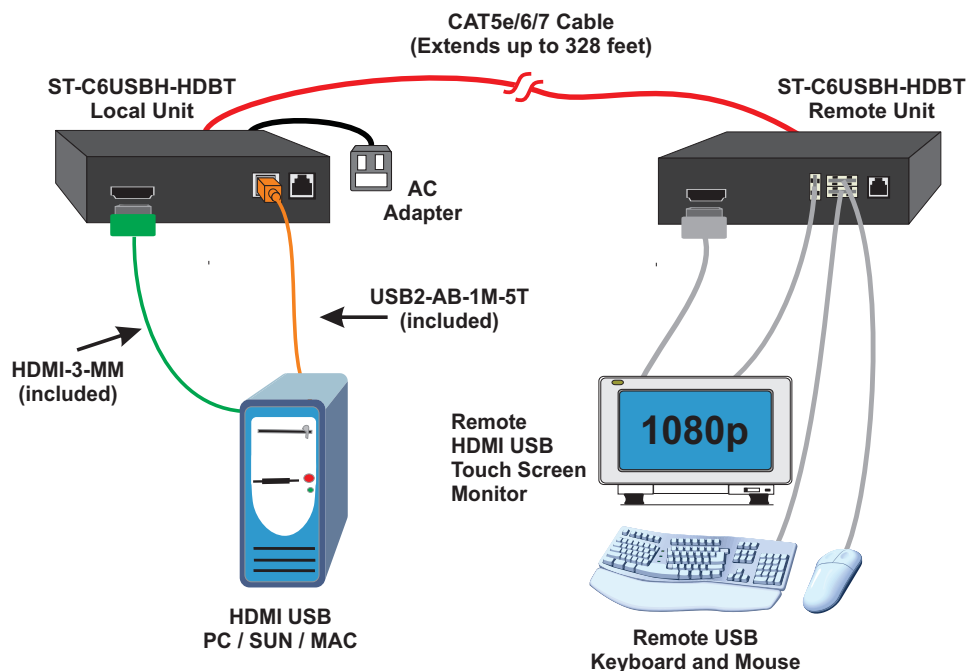


XTENDEX® ST-C6USBHE-HDBT (Remote and Local Unit)



The XTENDEX® HDMI USB KVM Extender over HDBase-T provides remote KVM (USB keyboard, USB mouse and HDMI monitor) access to a USB computer up to 328 feet away over a single CAT5e/6/7 cable using HDBase-T technology. Each video extender consists of a local unit that connects to a computer, and a remote unit that connects to a keyboard, monitor and mouse.

Configuration and Cable Illustration



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Specifications

Local Unit

- Compatible with a USB computer (PC, SUN, MAC) or HDTV video source with HDMI output.
- Multiplatform support: Windows 2000/XP/Vista/7/8, Windows Server 2000/2003/2008, Solaris, Linux, FreeBSD and MAC OS 9/10.
- One female HDMI connector.
- One female USB Type B connector.
- IR extension support: one female 3.5 mm port for IR emitter (included).
- RS232 support – one female RJ45 port.
- Optional female RJ45 100BaseT Ethernet port for connecting standard network device such as a 100Base-T router or hub.
- One female RJ45 port for sending/receiving high definition video, audio, IR, USB, RS232 and DDC signals.

Dimensions

- WxDxH (in): 4.96x3.03x1.06 (126x77x27 mm).

Power

- Powered from a single power supply attached to either the local or remote unit.
- Local or remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (Country-specific AC adapter included.)

Environmental

- Operating temperature: 32 to 122°F (0 to 50°C).
- Storage temperature: -22 to 140°F (-30 to 60°C).
- Operating/storage relative humidity: 17 to 90% non-condensing RH.

Regulatory Approvals

- CE, RoHS

Remote Unit

- Supports HDTV resolutions to 1080p and computer resolutions to 4096x2160.
- One female HDMI connector.
- IR extension support: one female 3.5 mm port for IR receiver (included).
- Two female USB Type A connectors.
 - Compatible with most USB keyboards and mice, including Logitech M570 wireless mouse and Logitech K400 wireless keyboard.
- Additional female USB Type A connector for a USB 2.0 (low/full speed) device - USB touch screen monitor, CAC card reader, interactive whiteboard, or barcode scanner.
 - USB maximum data rate: 12 Mbps.
 - Supported touch screen monitors: Microtouch 3M, ELO 1529L 3000 Series, Smart Podium ID422w, Hope Industrial HIS-RL17, NEC MultiSync E222W, Industrial Electronic Devices Inc IWS-240t-G3, Zytronic CML-170, Pulse IR TSV4001/DT40 and HP Compaq.
 - Supported interactive whiteboards: SMART Board™ SB640
 - Supported card readers: Athena, Cherry, Gemalto, Generic USB, and Dell smart card/keyboard combo.
- RS232 support – one female RJ45 port.
- Optional female RJ45 100BaseT Ethernet port for connecting standard network device such as a 100Base-T router or hub.
- One female RJ45 port for sending/receiving high definition video, audio, IR, USB, RS232 and DDC signals.

Warranty

- Two years

Distances and Resolutions for CAT5e/6/6a/7 Cables

Cable	Distance	Max Resolution
CAT5e Solid UTP 24 AWG	300 feet (91 meters)	1080p at 60 Hz
CAT5e Stranded UTP 24 AWG	200 feet (61 meters)	
CAT5e Solid STP 24 AWG	250 feet (76 meters)	
CAT5e Stranded STP 24 AWG	250 feet (76 meters)	
CAT6 Solid UTP 23 AWG	330 feet (101 meters)	
CAT6 Stranded UTP 24 AWG	200 feet (61 meters)	
CAT6 Solid STP 23 AWG	330 feet (101 meters)	
CAT6 Stranded STP 24 AWG	150 feet (46 meters)	
CAT6a Solid UTP 23 AWG	330 feet (101 meters)	
CAT7 Solid STP 23 AWG	330 feet (101 meters)	
CAT7 Stranded STP 26 AWG	300 feet (91 meters)	

HDMI USB KVM Extender over HDBase-T Models

NTI Part #	Supported Features
ST-C6USBH-HDBT	HDMI, USB KVM, Additional USB port, RS232, IR
ST-C6USBHE-HDBT	HDMI, USB KVM, Additional USB port, RS232, IR Ethernet