

HDMI USB KVM Over IP Extender with Audio, RS232, and IR

XTENDEX®

Extend HDMI monitor, Audio, USB keyboard, and USB mouse up to 330 feet using Gigabit Ethernet

- Supports HDTV resolutions to 1080p.
 - Extend 1080p up to 330 feet in a Point-to-Point connection.
 - Extend 1080p up to 660 feet in a Point-to-Point or Point-to-Many connection via a managed network switch.
- Supports USB 2.0 devices.
 - Keyboard and mouse are hot-pluggable.
 - Connect a mouse, keyboard, flashdrive, HDD, or touchscreen display.
- Full Infrared Remote (IR) control of HDMI source from remote HDTV using existing source remote control.
- Built-in default EDID configuration table.
- Support for multiple transmitters and receivers requires a managed network switch.
 - Distance between transmitter and receiver can be up to 660 feet when using a managed network switch (330 feet on each side).
 - Easily expandable – add receivers as you add control stations.
 - Identically configure dip switches on a transmitter and multiple receivers to link them together.
 - ♦ Simply press and hold the USB link button on a receiver for 3 seconds to gain USB control.
 - Cascade managed network switches to extend the distance between transmitter and receiver.
 - Up to 16 transmitters can be connected per individual network switch or between cascaded network switches.
- When using multiple remote units, only one unit can have USB control over the source at any time.
 - Analog audio signals are transmitted via USB - a deactivated remote unit will continue to display video but does not provide analog sound or user control.
 - HDMI digital audio will still pass through as it is embedded in the video signal.
- Supports 2-way RS232 commands at baud rate 115200 (control software on a PC, or other automated control system hardware such as Control4 or Crestron) to control devices attached to the matrix using RS232.
- Inexpensive CAT5e/6 cable replaces bulk video cables.
- HDCP compliant.
- Supports the DDC2B protocol.
- Compliant with the HDMI v1.2 standard.



ST-IPUSBH-1G (Local & Remote)

- **Extend 1080p video, audio, RS232, USB and IR control up to 330 ft via one CATx cable**
- **4 USB 2.0 connectors for keyboard, mouse flashdrive, HDD, or touchscreen display**
- **Supports Point-to-Point and Point-to-Many connections**

The XTENDEX® HDMI USB KVM Over IP Extender with Audio, RS232, and IR provides remote KVM (USB keyboard, USB mouse, and HDMI monitor) access to a USB computer or HDMI source up to 330 feet over a Gigabit network using a single CAT5e/6 cable. Each ST-IPUSBH-1G consists of a local unit that connects to a computer or HDMI source, and a remote unit that connects to a monitor, mouse, keyboard, speaker, microphone, and other USB devices.

The local and remote units can be connected together for a Point-to-Point connection via CAT5e/6 cable or a Point-to-Many connection via a managed network switch.

Control Methods

Managed Ethernet Switch

- Compatible Managed Ethernet Switches (requires Gigabit for best results)
 - Cisco SG300 Gigabit Series (no stacking)
 - Cisco Catalyst 2960 Gigabit
 - Dell PowerConnect 5400 Series (5424, 5448)
 - Dell PowerConnect 5500 Series (5524, 5524P, 5548, 5548P)
 - Dell PowerConnect 6200 Series (6224, 6224P, 6248, 6248P)
 - Netgear 7000 Series V2 (GSM7224, GSM7228PS, GSM7248, GSM7252PS)
 - Pagedge SW24-GBM, S24P

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Specifications

Local Unit (ST-IPUSBH-L-1G)

- One female HDMI connector.
- One female USB Type B connector.
- One female 3.5mm port for IR emitter.
- One female DB9 connector for RS232.
- One female 1 Gbps RJ45 port for sending/receiving high definition video/audio, USB and IR signals.
- Four dip switches for linking transmitters and receivers in a Point-to-Many connection.

Remote Unit (ST-IPUSBH-R-1G)

- One female HDMI connector.
- Four female USB Type A connectors.
- One female DB9 connector for RS232.
- Two female 3.5mm stereo plugs for audio out and mic in.
- Built-in IR receiver.
- One female 1 Gbps RJ45 port for sending/receiving high definition video/audio, USB and IR signals.
- Four dip switches for linking transmitters and receivers in a Point-to-Many connection.
- Link button for disabling or gaining control of the source through USB.
- Supports HDTV resolutions to 1080p.
- Supports embedded digital audio through HDMI compatible TVs or audio receivers.

Dimensions

- WxDxH (in): 7.09x4.33x0.98 (180x110x25 mm).

Power

- Local and remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter.
- Power consumption:
 - ST-IPUSBH-L-1G: 5W
 - ST-IPUSBH-R-1G: 12W

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).
- Use USB Type A male to USB Type B male cable to connect a PC/notebook to the local unit (not included).
- Use CAT5e/6 straight through cable with TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included)

Environmental

- Operating temperature: 32 to 104°F (0 to 40°C).
- Storage temperature: -4 to 140°F (-20 to 60°C).
- Operating/storage relative humidity: 20 to 90% non-condensing RH.

Regular Approvals

- CE, RoHS.
- TAA compliant

Warranty

- Two years

Configuration and Cable Illustration

