

Multiple HDMI Extender Over HDBase-T with PoE

XTENDEX®

Extend video and multi-channel audio from 8 HDMI video sources up to 328 feet away – supports 4K, 2K, 1080p, and 1920x1200 resolutions.

- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 (30Hz) and 2096x2160 (30Hz), 2K resolution 2048x1080, HDTV resolutions to 1080p, and computer resolutions to 1920x1200.
 - With CAT6/6a/7 (23 AWG): 328 feet.
 - With CAT5e (24 AWG): 250 feet.
- Each input is directly connected to a corresponding output – point-to-point extension.
 - Input 1 is connected to output 1, input 2 is connected to output 2, etc.
- HDCP compliant.
- Supports Power over Ethernet (PoE) – power supply not required at the remote unit.
- HDMI features supported:
 - 4K x 2K - 3840x2160 and 4096x2160 resolutions
 - 24/36-bit Deep Color
 - x.v.Color
 - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, DTS 7.1 and LPCM
 - 3D
 - Bandwidth up to 300 MHz (10.2 Gbps)
 - Support for CEC (consumer electronic control) compatible devices
 - Lip Sync
- No loss of audio or video quality between the transmitter and remote units.
- Reads EDID from the connected display.
- Compact 1RU design.
 - Rack mount kit included.



XTENDEX® ST-C64K-HDBT-L8-R (Front & Back)

- Supports 4K, 2K, 1080p, and 1920x1200 resolutions
- 8 transmitters grouped together in a single 1RU case
- Extend up to 328 ft over CATx cable
- Supports 3D signals
- No power supply required for remote units

The XTENDEX® Multiple HDMI Extender Over HDBase-T with Power Over Ethernet transmits uncompressed digital HDMI signals from 8 sources to 8 remote displays and speakers, each located up to 328 feet away via CAT6/6a/7 cable using HDBase-T technology. Each input corresponds to a specific output in a point-to-point connection: input 1 is always connected to output 1, and so on. Power Over Ethernet (PoE) provides power to all connected receivers.

Specifications

ST-C64K-HDBT-L8-R

- Eight female HDMI input connectors.
- Eight female RJ45 HDBase-T connectors for sending high definition video, audio, and DDC signals.
- Supported video resolutions:
 - Ultra-HD 4Kx2K resolutions (3840x2160 @ 30Hz, 4096x2160 @ 30Hz)
 - 2K Cinema (2048x1080 @ 60Hz)
 - HDTV resolutions to 1080p
 - Computer resolutions to 1920x1200

Dimensions

- WxDxH (in): 17x7.05x1.75 (432x179x44mm)
- Rack mount kit included

Power

- 100 to 240 VAC at 50 or 60 Hz via AC adapters (country-specific power cord included).

Environmental

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

Remote Unit (Receiver)

Video Output

- Supported video resolutions:
 - Ultra-HD 4Kx2K resolutions (3840x2160 @ 30Hz, 4096x2160 @ 30Hz)
 - 2K Cinema (2048x1080 @ 60Hz)
 - HDTV resolutions to 1080p
 - Computer resolutions to 1920x1200
- One female HDMI output connector.
- One female RJ45 HDBase-T connector for sending receiving high definition video, audio, and DDC signals.

Dimensions

- WxDxH (in): 4.02x4.53x0.98 (102x115x25 mm)

Power

- Powered by the transmitter via Power over Ethernet (PoE).

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.

Regulatory Approvals

- CE, FCC, RoHS
- TAA compliant

Max Distance

- 250 feet (76 meters) over CAT5e cable (24 AWG).
- 28 feet (100 meters) over CAT6/6a/7 cable (23 AWG).

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Specifications (continued)

Regulatory Approvals:

- CE, FCC, RoHS

Warranty

- Two years

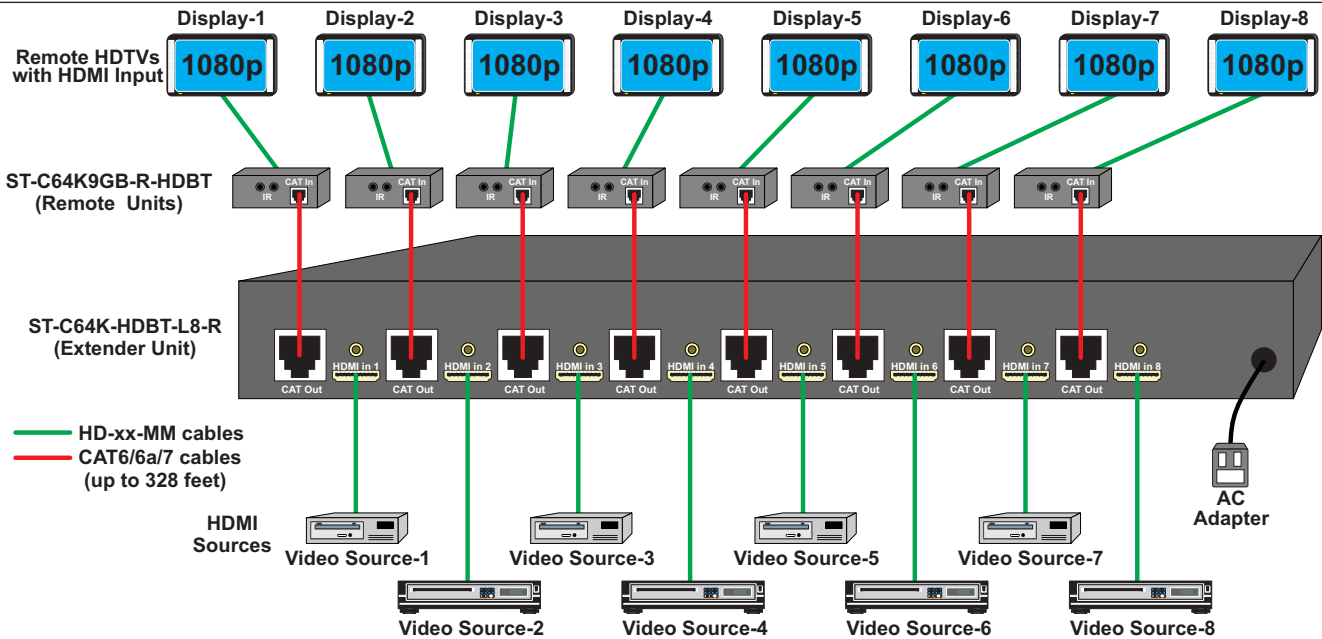
Package Includes

- One Multiple HDMI Extender
- One 24V power supply
- User manual
- Mounting tabs

Cables

- Use HD-xx-MM or DVI-HD-xx-MM cable to connect an HDMI or DVI source or display.
- 8-bit resolution: up to 33 ft (10 m).
- 12-bit resolution: up to 20 ft (6 m).
- Use CAT5e/6/6a/7 solid straight through cables for TIA/EIA 568B wiring terminated with standard RJ45 connectors.
 - CAT5e (24 AWG): up to 250 feet.
 - CAT6/6a/7 (23 AWG): up to 328 feet.
- Cables not included.

Configuration and Cable Illustration



HDMI HDBase-T PoE Receiver



ST-C64K9GB-R-HDBT

HDBase-T PoE Transmitter/Receiver

NTI Part#	Description
ST-C64K-HDBT-L8-R	8 HDMI HDBase-T Transmitters in 1RU
ST-C64K9GB-R-HDBT	HDMI, HDBase-T Power over Ethernet Receiver