

# 4K 18Gbps HDMI Extender via One CAT6/6a/7: Extend up to 197 feet

XTENDEX®

**Extend an Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI display up to 197 feet away from the source.**

- Transmits an HDMI signal over a single CAT6/6a/7 cable.
- Supports resolutions up to Ultra-HD 4Kx2K 3840x2160 @60Hz YUV 4:4:4.
  - Refer to the resolution chart in the specifications section for resolutions using different CATx cable types and lengths.
- HDCP 2.2 compliant.
- HDMI features supported:
  - HDMI 2.0 compliant.
  - Up to 36-bit Deep Color
  - LPCM, Dolby Digital, and DTS
  - RGB, YCbCr 4:4:4, YCbCr 4:2:2, and YCbCr 4:2:0
  - Bandwidth up to 18 Gbps
  - 3D
  - HDR
- Supports local and remote HDMI displays.
- Only one power supply is necessary to power both the local and remote units.
- Automatic EDID copy function.
- Full Infrared Remote (IR) control of HDMI source from remote HDTV using existing source remote control.



**ST-C64K18GB-197  
(Remote & Local Unit)**

- Resolutions to Ultra-HD 4Kx2K 60Hz 4:4:4
- 18Gbps bandwidth
- HDMI 2.0
- Only one power supply required

The XTENDEX® 4K 18Gbps HDMI Extender transmits digital Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI video and audio signals up to 197 feet (60 meters) using one CAT6/6a/7 cable. Each video extender consists of a local unit that connects to an HDMI source and also supplies video to a local HDMI monitor; and a remote unit that connects to an HDMI display.

## Specifications

### Local Unit

- **Host Connection**
  - Compatible with a computer or HDTV video source with HDMI output.
  - One female HDMI connector.
  - One female RJ45 port for sending high definition video/audio signals.
  - One female 3.5mm port for IR emitter (included).
  - Supports HDCP 2.2.
- **Local Access**
  - Supports resolutions up to Ultra-HD 4Kx2K (3840x2160 @60Hz 4:4:4).
  - One female HDMI connector for local HDMI display.

### Remote Unit

- One female HDMI connector for display.
- One female RJ45 port for receiving high definition video/audio signals.
- Supports resolutions up to Ultra-HD 4Kx2K (3840x2160 @60Hz 4:4:4).
- One female 3.5mm port for IR receiver (included).

### 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.
- Output: 12 VDC, 1A
- Power consumption: 4.44W

### Dimensions

- WxDxH (in): 2.4x3.46x0.71 (61x88x18 mm)

### 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.

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## Specifications (continued)

### Max Distance

- Extend a 4K@60Hz signal up to 197 feet (60 meters) with solid CAT6/6a/7 cable and 100 feet (30 meters) with solid CAT5e cable.
- Extend a 4K@30Hz and 1080p@60Hz signal up to 230 feet (70 meters) with solid CAT6/6a/7 cable and 164 feet (50 meters) with solid CAT5e cable.

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

Cable	Distance	Maximum Resolutions
CAT5e	100 feet (30 meters)	3840x2160 at 60Hz, 4:4:4
	164 feet (50 meters)	3840x2160 at 30Hz, 4:4:4 1080p at 60Hz
CAT6/6a/7	197 feet (60 meters)	3840x2160 at 60Hz, 4:4:4
	230 feet (70 meters)	3840x2160 at 30Hz, 4:4:4 1080p at 60Hz

### Warranty

- Two years

### Package Includes

- One transmitter unit
- One receiver unit
- One IR emitter extension cable
- One IR receiver extension cable
- One locking power supply
- User manual

### Cables

- Interface cables between the video source/displays and the transmitter/receiver are required for proper operation.
  - Supports cable lengths to 20 feet for 4K@60Hz resolutions, lengths to 30 feet for 4K@30Hz resolutions, and lengths to 50 feet for 1080p@60Hz using passive HDMI cables.
  - Longer input cables 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 (not included).
- Use HD-ACT-xx-MM 4K HDMI Active Cables to connect an HDMI source or display (not included).
  - HD-ACT-20/25/30/40/50-MM supports resolutions to 4K@60Hz.
  - HD-ACT-60/75/100-MM supports resolutions to 4K@30Hz.
- DVI-HD-xM-MM to connect a DVI source or display (not included).
  - Supports resolutions to 1080p@60Hz.
- Use CAT5e/6/6a/7 solid straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

## Configuration and Cable Illustrations

