

4K 18Gbps HDMI Extender via One CATx with Daisy-Chainable Receivers – Supports 10 Remote Displays

XTENDEX®

Extend an Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI display up to 230 feet away from the source. Cascade receivers to extend up to 2,300 feet and up to 10 remote monitors.

- Transmits an HDMI signal over a single CAT6/6a/7 cable up to 230 feet (70 meters).
 - Daisy chain receivers to extend up to 2,300 feet and up to 10 remote monitors.
 - Zero latency.
 - Widescreen resolutions (3440x1440, 2560x1600 and 2560x1440) are supported to 98 feet (30 meters) over CAT6/6a/7 cable. Cascade 10 receivers to extend the widescreen resolutions to 984 feet (300 meters).
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 @60Hz and 4096x2160 @24/25Hz YUV 4:4:4, HDTV resolutions to 1080p @60Hz, and up to 1920x1200 (WUXGA).
- 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
 - HDR10
- HDCP 2.2 and 1.4 compliant.
- Supports local and remote HDMI displays.
- Built-in default EDID table.
- Supports HDMI embedded digital audio and SPDIF digital audio output.
- Bi-directional IR control from input and output locations.
- Built-in surge and ESD protection.
- Mounting brackets included for easy surface/wall mounting.



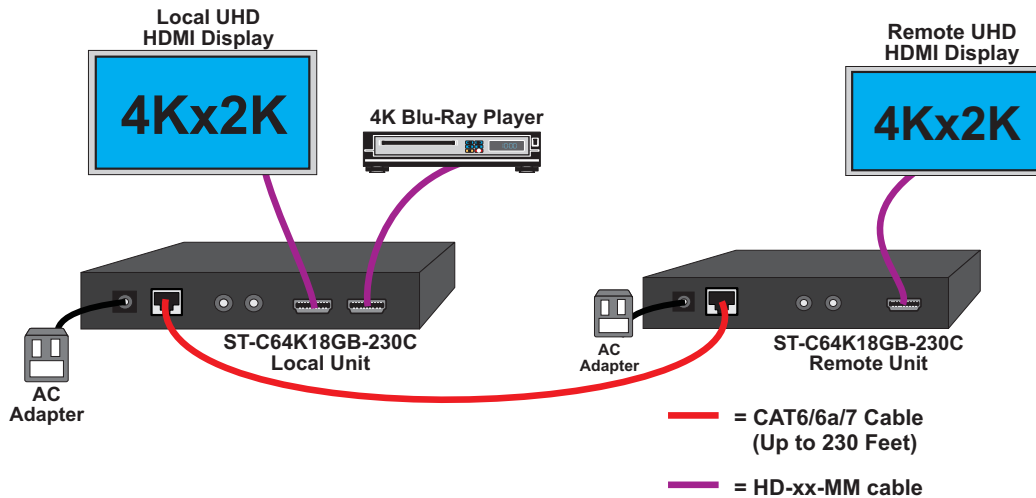
ST-C64K18GB-230C
(Local & Remote Unit)

- **Daisy chain up to 10 receivers**
- **Resolutions to Ultra-HD 4Kx2K 60Hz 4:4:4**
- **18Gbps Bandwidth**
- **HDMI 2.0**
- **Zero Latency**
- **Supports Point-to-Point and Point-to-Many Connections**

The XTENDEX® 4K 18Gbps HDMI Extender transmits digital Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI video and audio signals up to 230 feet (70 meters) using one CAT6/6a/7 cable. Each video extender consists of a local unit that connects to an HDMI source and a local display via the HDMI loop output; and a remote unit that connects to an HDMI display. Up to 10 receivers can be cascaded for a Point-to-Many connection via CATx.

Configuration and Cable Illustration

Point-to-Point Connection



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Extend an Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI display up to 230 feet away from the source. Cascade receivers to extend up to 2,300 feet and up to 10 remote monitors.

Specifications

Local Unit

- One female HDMI connector for source.
- One female HDMI connector for local display.
- Two female 3.5mm ports for connecting an IR emitter and receiver (included).
 - IR frequency: 20KHz to 60KHz
- One female RJ45 port for sending video/audio and IR signals.
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 @60Hz and 4096x2160 @24/25Hz YUV 4:4:4, HDTV resolutions to 1080p @60Hz, and up to 1920x1200 (WUXGA).
- Supports HDCP 2.2 and 1.4.

Remote Unit

- One female HDMI connector for display.
- Two female 3.5mm ports for connecting an IR emitter and receiver (included).
- IR frequency: 20KHz to 60KHz
- One TOSLINK optical port for SPDIF digital audio.
- One female RJ45 port for receiving video/audio and IR signals.
- One female RJ45 port for cascading receivers.
 - Up to 10 receivers can be daisy chained.
- Supports resolutions up to Ultra-HD 4Kx2K (3840x2160 @60Hz 4:4:4).

Power

- Local and remote unit: 100 to 240 VAC at 50 or 60Hz via AC adapter (included).
- Input voltage: 5VDC, 2A
- Power consumption:
 - Local unit: 2.05W
 - Remote unit: 1.55W

Environmental

- Operating temperature: -4 to 140°F (-20 to 60°C).
- Storage temperature: -22 to 158°F (-30 to 70°C).
- Operating and storage relative humidity: 0 to 90% non-condensing RH.

Dimensions

- WxDxH: 4.06x4.16x0.79 (103x106x20 mm)

Max Distance

- 230 feet (70 meters) for point-to-point connection using one CAT6/6a/7 cable.
 - Widescreen resolutions (3440x1440, 2560x1600 and 2560x1440) are supported to 98 feet (30 meters).
- 2,300 feet (700 meters) when cascading 10 receivers over CAT6/6a/7 cable.
 - Widescreen resolutions (3440x1440, 2560x1600 and 2560x1440) are supported to 984 feet (300 meters).

Regulatory Approvals

- CE, FCC, RoHS

Warranty

- Two years.

Cables

- Interface cables between the video source/display and the transmitter/receiver are required for proper operation.
 - Supports cable lengths to 20 feet for 4K resolutions and lengths to 50 feet for 1080p@60Hz using passive HDMI cables.
- Use HD-xx-MM cable to connect an HDMI source or display.
- Use HD-ACT-xx-MM 4K HDMI Active Cables to connect an HDMI source up to 100 feet.
 - HD-ACT-20/25/30/40/50-MM supports resolutions to 4K@60Hz (18 Gbps).
 - HD-ACT-60/75/100-MM supports resolutions to 4K@30Hz (10.2 Gbps).
- Use DP-HD-xx-MM cables to connect a DisplayPort computer up to 15 feet.
 - Supports resolutions up to 4k@30hz 4:4:4 and 4K@60Hz 4:2:0.
- Use USB3C-HD4K-xx-MM to connect a 4K@60Hz computer with USB Type C connector up to 10 feet.
- Use DVI-HD-xM-MM to connect a DVI computer up to 5 meters.
 - Supports resolutions to 1080p.
- Use CAT6/6a/7 solid straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).
- Cables not included.

Point-to-Many Connection

