

4K 10.2 Gbps HDMI Extender via One LC Singlemode or Multimode Fiber Optic Cable

XTENDEX®

Extend an Ultra-HD 4Kx2K 30Hz 4:4:4 HDMI display up to 6,561 feet (2,000 meters)

- Signal transmission via single-strand singlemode or multimode LC fiber optic cable:
 - Using singlemode 9-micron cable, extend HDCP-encrypted video signal up to 984 feet (300 meters) and unencrypted video signal up to 6,561 feet (2,000 meters).
 - Using multimode 50-micron cable, extend to 984 feet (300 meters).
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 and 4096x2160 @30Hz YUV 4:4:4, and HDTV resolutions to 1080p @60Hz.
- HDMI features supported:
 - HDMI 1.4
 - Up to 36-bit Deep Color
 - Dolby Digital, LPCM, DTS-HD and DTS
 - YCbCr 4:4:4, YCbCr 4:2:2, and RGB
 - Bandwidth up to 10.2 Gbps
 - 3D
- HDCP 1.4 compliant
- EDID pass-through for the support of any HDMI display device.
- Compact design - allows for direct connection to source/display.
- Cables can be installed in conduit prior to extender installation.
- Supports Plug-n-Play specifications.
- Low RFI/EMI for sensitive applications.



XTENDEX® ST-FO4K10GB-LC
(Local and Remote Unit)

- Resolutions to Ultra-HD 4Kx2K 30Hz 4:4:4
- 10.2 Gbps bandwidth
- HDMI 1.4

The XTENDEX® 4K 10.2 Gbps HDMI Extender via Fiber Optic Cable locates an Ultra-HD 4Kx2K 30Hz 4:4:4 HDMI display up to 6,561 feet (2,000 meters) away via a simplex LC singlemode fiber optic cable and 984 feet (300 meters) using an LC multimode fiber optic cable. Each extender consists of a transmitter that connects to an HDMI source, and a receiver that connects to an HDMI display.

Specifications

Local Unit

- One male HDMI Type A connector for source.
- One simplex female LC fiber optic port for sending high definition video/audio signals.
- Supports HDCP 1.4

Remote Unit

- One male HDMI Type A connector for display.
- One simplex female LC fiber optic port for receiving high definition video/audio signals.
- Supported video resolutions:
 - Ultra-HD 4Kx2K YUV 4:4:4 resolutions (4096x2160 and 3840x2160 @30Hz)
 - HDTV resolutions to 1080p @60Hz
- Supports HDCP 1.4
- Max data rate: 10.2 Gbps

Power

- Local and remote unit:
 - Input: 110 to 220 VAC at 50 or 60Hz via USB AC adapter (included).
 - ♦ 1m male USB Type Micro B to male USB Type A cables included.
 - Output: 5VDC, 1A
 - Power consumption: 3W

Max Distance

- Using singlemode 9-micron cable, extend HDCP-encrypted video signal up to 984 feet (300 meters) and unencrypted video signal up to 6,561 feet (2,000 meters).
- Using multimode 50-micron cable (OM2/OM3/OM4), extend to 984 feet (300 meters).

Cables

- Use a simplex LC singlemode 9/125-micron fiber optic cable to extend the receiver from the transmitter.
 - Extend an HDCP-encrypted video signal up to 984 feet (300 meters).
 - Extend an unencrypted video signal up to 6,561 feet (2,000 meters).
- Use a simplex LC multimode 50/125-micron (OM2/OM3/OM4) fiber optic cable to extend the receiver from the transmitter up to 984 feet (300 meters).

Dimensions

- Local and remote unit WxDxH (in): 0.88x2.36x0.42 (22x60x11 mm)

Environmental

- Operating temperature: 14 to 131°F (-10 to 55°C).
- Storage temperature: -13 to 158°F (-25 to 70°C).
- Operating and storage relative humidity: 10 to 90% non-condensing RH.

Regulatory Approval

- CE, FCC, RoHS

Warranty

- Two years