

# 8K DisplayPort 1.4 Extender via One MPO Multimode Fiber Optic Cable: Extend up to 200 Meters

**XTENDEX®**

## Extend an Ultra-HD 8K 4320p 60Hz DisplayPort display up to 656 feet

- Signal transmission via an 8- or 12-strand multimode 50-micron OM3 type B MPO male-to-male fiber optic cable.
- Supports Ultra-HD 8K resolutions to 7680x4320 @60Hz YUV 4:4:4, Ultra-HD 4Kx2K resolutions to 3840x2160 @120Hz YUV 4:4:4, and HDTV resolutions to 1080p @240Hz.
  - Using DSC (Display Stream Compression) with HBR3 transmission rates, ST-FODP14-MPO-200M supports 8K UHD (7680x4320) @60Hz. However, if the connected display does not support DSC, then the max rate is 8K 30Hz.
- DisplayPort features supported:
  - DisplayPort 1.4
  - Multi-Stream Transport (MST)
  - Up to 36-bit Deep Color
  - LPCM
  - YCbCr 4:4:4, YCbCr 4:2:2, and RGB
  - Bandwidth up to 32.4 Gbps
- HDCP compliant.
- EDID pass-through for the support of any DisplayPort display device.
- Compact design — connects directly 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-FODP14-MPO-200M  
(Local & Remote Unit)**

The XTENDEX® 8K DisplayPort 1.4 Extender via MPO Fiber Optic Cable locates an Ultra-HD 8K 4320p 60Hz DisplayPort display away from a DP computer up to 656 feet (200 meters) via a male-to-male multimode OM3 type B MPO fiber optic cable (8- or 12-strand). Each extender consists of a transmitter that connects to a DisplayPort source, and a receiver that connects to a DisplayPort display.

## Specifications

### Local Unit

- One male DisplayPort connector for source.
- One female MPO fiber optic port for sending high definition video/audio signals.
- HDCP compliant.

### Remote Unit

- One male DisplayPort connector for display.
- One female MPO fiber optic port for receiving high definition video/audio signals.
- Supported video resolutions:
  - Ultra-HD 8K YUV 4:4:4 resolutions (7680x4320 @60Hz)
    - ♦ Using DSC (Display Stream Compression) with HBR3 transmission rates, ST-FODP14-MPO-200M supports 8K UHD (7680x4320) @60Hz. However, if the connected display does not support DSC, then the max rate is 8K 30Hz.
  - Ultra-HD 4Kx2K YUV 4:4:4 resolutions (3840x2160 @120Hz)
  - HDTV resolutions to 1080p @240Hz.
- Supports embedded digital audio through DisplayPort compatible displays or audio receivers.
- HDCP compliant.
- Max data rate: 32.4 Gbps

### Power

- Local unit: powered from attached video source.
- Remote unit:
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter (included).
  - Output: 5VDC, 2A
- Power consumption:
  - Local unit: 0.2W
  - Remote unit: 0.6W

### Max Distance

- Extend to 656 feet (200 meters) using an 8- or 12-strand multimode 50-micron OM3 type B MPO male-to-male fiber optic cable.

### Cables

- Use an 8- or 12-strand multimode 50/125-micron OM3 type B MPO male-to-male fiber optic cable to extend the receiver from the transmitter up to 656 feet (200 meters) (not included).

### Environmental

- Operating temperature: 32 to 122°F (0 to 50°C).
- Storage temperature: -4 to 158°F (-20 to 70°C).
- Operating/storage relative humidity: 10 to 80% non-condensing RH.

### Dimensions

- Local and remote unit WxDxH (in): 1.22x2.52x0.63 (31x64x15.9 mm)
  - Overall length with attached male DP cable: 11.81 in (300 mm)

### Regulatory Approvals

- CE, FCC, RoHS
- TAA compliant

### Warranty

- Two years

### Configuration and Cable Illustration

