

# 4K DisplayPort 1.2 Extender via Two LC Multimode Fiber Optic Cables

XTENDEX®

## Extend an Ultra-HD 4Kx2K 60Hz 4:4:4 DisplayPort display up to 328 ft (100 m)

- Supports Ultra-HD 4Kx2K 4:4:4 resolutions (4096x2160@60Hz).
- Signal transmission via two-strand multimode LC fiber optic cable - no RF interference.
- Compact design - allows for direct connection to source/display.
- Cables can be installed in conduit prior to extender installation.
- Video bandwidth: 5.4Gbps per channel (21.6Gbps total)
- Compliant with DisplayPort v1.2a specifications.
- HDCP and DPCD compliant.
- Supports Auxiliary/I<sup>2</sup>C channel over fiber.
- Supports Multi-Stream transport.
- Supports Plug-n-Play specifications.
- Low RFI/EMI for sensitive applications.



**ST-2FODP12-LC100M  
(Local and Remote)**

- Resolutions to Ultra-HD 4Kx2K 60Hz 4:4:4
- DisplayPort 1.2a
- 21.6Gbps bandwidth

The XTENDEX® 4K DisplayPort Extender via Fiber Optic Cable extends an Ultra-HD 4Kx2K 60Hz 4:4:4 DisplayPort display up to 328 feet (100 meters) away from a video source using two LC multimode fiber optic cables. Each extender consists of a transmitter that connects to a video source and a receiver that connects to a display.

## Specifications

- Connectors (for transmitter and receiver):
  - One male DisplayPort connector.
  - Two LC fiber optic ports for sending/receiving high definition video/audio signals.
  - One micro HDMI port for receiving power.
- Resolutions: supports resolutions up to Ultra-HD 4Kx2K 4:4:4 (4096x2160@60Hz).
- Video bandwidth: 5.4Gbps per channel (21.6Gbps total)
- Supports full 60fps video.

### Power (Local and Remote)

- Input: 100 to 240 VAC at 50 or 60 Hz via USB AC adapter. (US adapters included)
  - Optional universal power plug adapters available (not included).
  - 1m male USB Type Micro B to male USB Type A cables included.
- Output: 5VDC, 1A.
- Micro USB to USB HDMI cables for stable power supply.

### Max Distance

- 328 feet (100 meters) over 50/125µm multimode LC fiber optic cable.

### Cables

- Use a duplex LC multimode 50/125-micron fiber optic cable to extend the receiver from the transmitter up to 328 feet (100 meters).
  - Cable not included.

### Environmental

- Operating temperature: 32 to 122°F (0 to 50°C).
- Storage temperature: -22 to 158°F (-30 to 70°C).
- Operating and storage humidity: 10% to 85% non-condensing.

### Dimensions

- WxDxH (in): 1.02x2.83x0.59 (26x72x15 mm).

### Regulatory Approvals

- CE, FCC, RoHS, FDA (Class 1 Laser)

### Warranty

- Two years