

4K 9Gbps DisplayPort Extender via One CAT6a/7

XTENDEX®

Extend an Ultra-HD 4Kx2K 30Hz 4:4:4 DisplayPort display up to 131 ft (40 meters)

- Transmits an uncompressed DisplayPort signal over a single CATx cable.
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 and 4096x2160 @30Hz 4:4:4, and HDTV resolutions to 1080p @60Hz.
 - Refer to the resolution chart in the specifications section for resolutions using different CATx cable types and lengths.
- Compliant with DisplayPort v1.2a specifications.
- Video bandwidth up to 9Gbps.
- HDCP compliant.
- Integrated mounting brackets for easy surface/wall mounting.

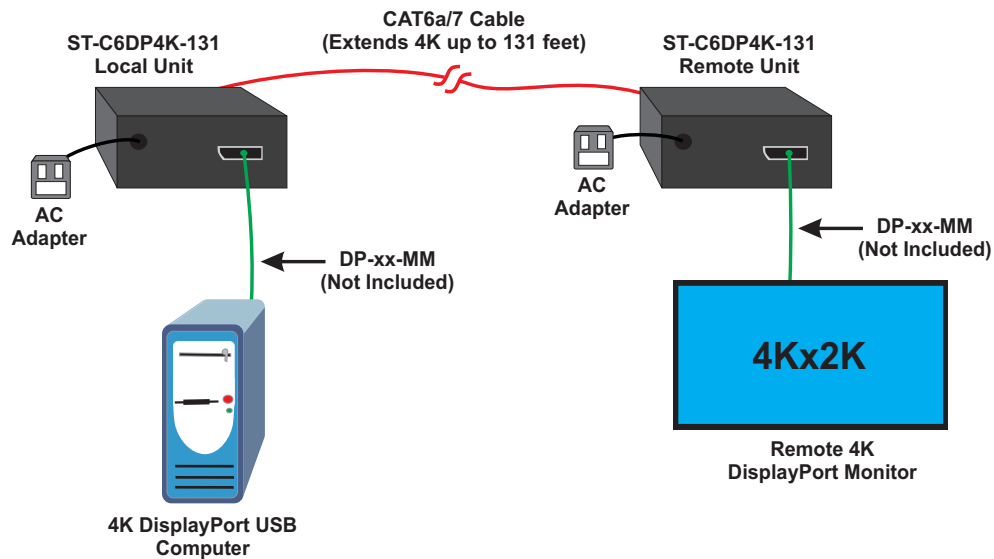


**XTENDEX® ST-C6DP4K-131
(Remote & Local Unit)**

- Resolutions to Ultra-HD 4Kx2K 30Hz 4:4:4
- DisplayPort 1.2a

The XTENDEX® 4K DisplayPort Extender transmits uncompressed digital Ultra-HD 4Kx2K 30Hz 4:4:4 DisplayPort video and audio signals up to 131 feet over a single CAT6a/7 solid cable. Each video extender consists of a local unit that connects to a DisplayPort source and a remote unit that connects to a DisplayPort display.

Configuration and Cable Illustrations



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Specifications

Local Unit

- One female DisplayPort connector for video source.
- One female RJ45 port for sending UHD video and audio.
- HDCP compliant.

Remote Unit

- One female DisplayPort connector for display.
- One female RJ45 port for receiving UHD video and audio.
- Supported video resolutions:
 - Ultra-HD 4Kx2K 30Hz 4:4:4 resolutions (3840x2160 and 4096x2160 @30Hz).
 - HDTV resolutions to 1080p (1920x1080@60Hz).
- Supports embedded digital audio through DisplayPort compatible displays or audio receivers.
- HDCP compliant.
- Max data rate: 9Gbps

Power

- Local and remote unit:
 - Input: 100 to 240 VAC at 50 to 60 Hz via AC adapter.
 - Output: 5VDC, 2A
 - Power consumption:
 - ♦ Local unit: 5W
 - ♦ Remote unit: 8W

Dimensions

- WxDxH (in): 3.62x2.72x0.98 (92x69x25 mm)

Environmental

- Operating temperature: 14 to 113°F (-10 to 45°C).
- Storage temperature: -22 to 158°F (-30 to 70°C).
- Operating and storage relative humidity: up to 95% non-condensing RH.

Regulatory Approval

- CE, RoHS

Warranty

- Two years

Max Distance

- Extend a 4Kx2K signal up to 131 feet (40 meters) with solid CAT6a/7 cable and 115 feet (35 meters) with solid CAT5e/6 cable.
- Extend a 1080p signal up to 230 feet (70 meters) with solid CAT6a/7 cable and 197 feet (60 meters) with solid CAT5e/6 cable.

Distances & Resolutions for CAT5e/6/6a/7 Cables

Cable	Distance	Maximum Resolutions
CAT5e/6	115 feet (35 meters)	3840x2160 and 4096x2160 at 30Hz. 4:4:4 1080p at 60Hz
	197 feet (60 meters)	1080p at 60Hz
CAT6a/7	131 feet (40 meters)	3840x2160 and 4096x2160 at 30Hz. 4:4:4 1080p at 60Hz
	230 feet (70 meters)	1080p at 60Hz

Cables

- Interface cables between the video source/display and the transmitter/receiver are required for proper operation.
- Use DP-xx-MM to connect a DisplayPort source or display (not included).
- Use CATx straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).