4K 10.2Gbps DisplayPort USB KVM Extender via One CAT6/7 or LC Singlemode/Multimode Fiber Optic Cable

XTENDEX®

Extend an Ultra-HD 4Kx2K 30Hz DisplayPort monitor, audio, USB keyboard, USB mouse, and RS232 up to 328 feet (100 m) via CATx or 6.21 miles (10 km) via fiber.

- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 @30Hz YUV 4:4:4, HDTV resolutions to 1080p @60Hz, and up to 1920x1200 (WUXGA).
- Signal transmission via one CAT6/6a/7 cable or one single-strand singlemode/multimode LC fiber optic cable.
  - Using CAT6/6a/7 cable:
    - ◆ Extend a 4Kx2K signal up to 328 feet (100 m).
    - ◆ Extend a 1080p or 1920x1200 signal up to 492 feet (150 m).
  - Using singlemode 9-micron cable, extend to 6.21 miles (10 km).
  - Using multimode 50-micron cable, extend to 1,640 feet (500 m).
- DisplayPort features supported:
  - DisplayPort 1.2
  - 36-bit Deep Color
  - RGB, YCbCr 4:4:4, YCbCr 4:2:2
  - Dolby, DTS, Stereo, and LPCM audio
  - Bandwidth up to 340 MHz (10.2 Gbps)
- HDCP compliant.
- Four transparent USB ports for self-powered and/or bus-powered USB peripheral devices (security cameras, printers, scanners, touch screen monitors, game controllers, flash drives, keyboards, mice, etc.).
  - Keyboard and mouse are hot-pluggable.
- Supports Plug-and-Play specification.
- Using an unmanaged Gigabit network switch, extend up to 32 pairs in Point-to-Point connections over IP.
  - Use the DIP switch on the transmitter and receiver to specify the ID for the unit.
    - ◆ Transmitter and receiver units with the same ID will connect to each other. (Only Point-to-Point connections are supported.)
- Supports full-duplex RS232 up to 115200 baud.
- EDID pass-through for the support of any DisplayPort monitor.
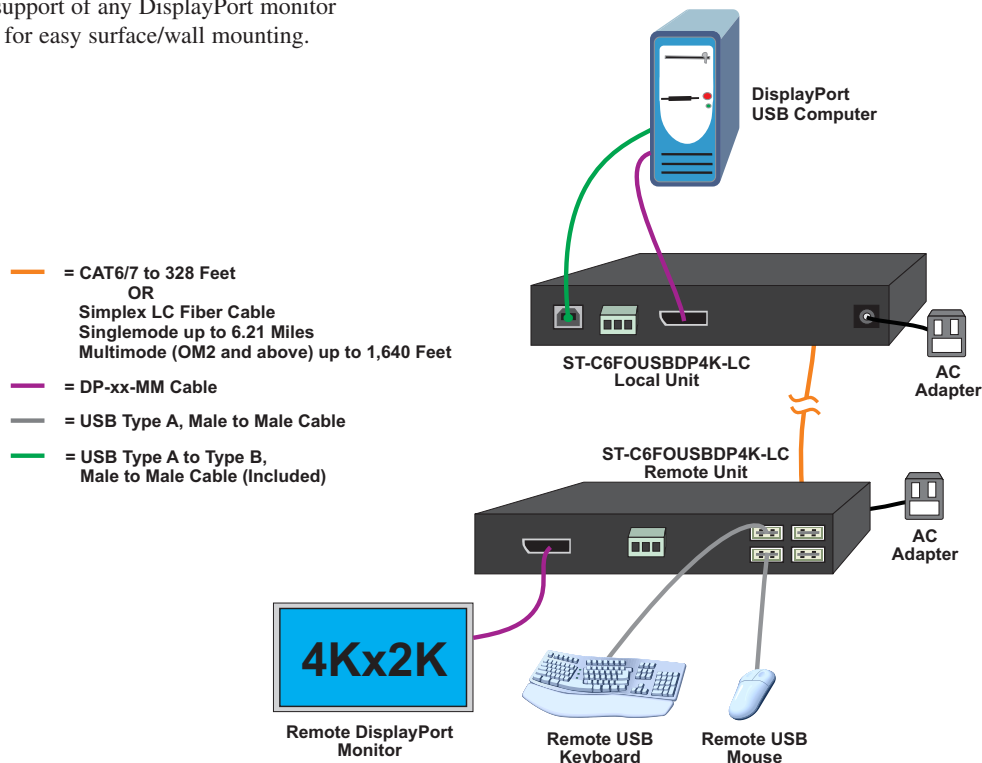- Mounting brackets included for easy surface/wall mounting.

ST-C6FOUSBDP4K-LC
(Local and Remote Units)

- **Extend 4Kx2K @30Hz up to 328 feet via CATx or 6.21 miles via fiber**
- **4 transparent USB connectors for keyboard, mouse, flash drive, HDD, touchscreen display, etc.**

The XTENDEX® 4K 10.2Gbps DisplayPort USB KVM Extender via CAT6/7 or Fiber provides remote KVM (USB keyboard, USB mouse and 4Kx2K 30Hz UHD DP monitor) access to a USB computer up to 328 feet (100 m) away via CAT6/6a/7 cable, 6.21 miles (10 km) via simplex LC singlemode fiber optic cable, or 1,640 feet (500 m) via simplex LC multimode fiber optic cable.

Each KVM extender consists of a local unit that connects to a computer, and a remote unit that connects to a DisplayPort monitor, bi-directional 3.5mm stereo audio speakers and microphone, RS232, and up to four USB devices (keyboard, mouse, flash drive, HDD, touchscreen display, etc).

= CAT6/7 to 328 Feet
OR
Simplex LC Fiber Cable
Singlemode up to 6.21 Miles
Multimode (OM2 and above) up to 1,640 Feet

= DP-xx-MM Cable

= USB Type A, Male to Male Cable

= USB Type A to Type B, Male to Male Cable (Included)

DisplayPort USB Computer

ST-C6FOUSBDP4K-LC Local Unit

AC Adapter

ST-C6FOUSBDP4K-LC Remote Unit

AC Adapter

4Kx2K

Remote DisplayPort Monitor

Remote USB Keyboard

Remote USB Mouse

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Extend an Ultra-HD 4Kx2K 30Hz DisplayPort monitor, audio, USB keyboard, USB mouse, and RS232 up to 328 feet (100 m) via CATx or 6.21 miles (10 km) via fiber.

Specifications

Local Unit

- Compatible with a USB computer with Ultra-HD DisplayPort output.
- Multiplatform support: Windows 7/10/11, Linux, and MAC OS 10/11.
- One female DisplayPort connector.
- One female USB Type B connector.
- Two female 3.5mm stereo jacks for audio out and mic in.
- 3-pin screw terminal for RS232.
  - Support full-duplex RS232 up to 115200 baud.
- One female RJ45 port for sending/receiving video, audio, USB, and RS232 signals.
- One simplex female LC fiber optic port for sending video, audio, USB, and RS232 signals.
- DIP switch for specifying unit ID.
- HDCP compliant.

Remote Unit

- One female DisplayPort connector.
- Four transparent female USB 2.0 Type A connectors.
  - Supports high-speed (480 Mbps), full-speed (12 Mbps), or low-speed (1.5 Mbps) USB devices - keyboard, mouse, game controller, USB flash drive, touch screen monitor, whiteboard, etc.
- Two female 3.5mm stereo jacks for audio out and mic in.
- 3-pin screw terminal for RS232.
  - Support full-duplex RS232 up to 115200 baud.
- One female RJ45 port for sending/receiving video, audio, USB, and RS232 signals.
- One simplex female LC fiber optic port for sending/receiving video, audio, USB, and RS232 signals.
- DIP switch for specifying unit ID.
- Supported video resolutions:
  - Ultra-HD 4Kx2K resolutions to 3840x2160 @30Hz YUV 4:4:4
  - HDTV resolutions to 1080p @60Hz
  - Up to 1920x1200 (WUXGA)
- Supports embedded digital audio through DisplayPort-compatible monitors or audio receivers.

Power

- Local unit:
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter (included).
  - Output: 12VDC, 2A
  - Power consumption: 3W
- Remote unit:
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter (included).
  - Output: 12VDC, 2A
  - Power consumption: 15.6W
  - The current passing through each USB port cannot exceed 0.5A.

Dimensions

- WxDxH (in): 6.3x4.29x1.12 (160x109x29 mm)

Environmental

- Operating temperature: 32 to 131°F (0 to 55°C)
- Storage temperature: -4 to 185°F (-20 to 85°C)
- Operating relative humidity: 5 to 90% non-condensing RH.

Regulatory Approvals

- CE, FCC, RoHS
- TAA compliant

Warranty

- Two years

Max Distance

- Using CAT6/6a/7 cable:
  - Extend a 4Kx2K signal up to 328 feet (100 meters).
  - Extend a 1080p or 1920x1200 signal up to 492 feet (150 meters).
- Using singlemode 9-micron cable, extend to 6.21 miles (10 km).
- Using multimode 50-micron cable (OM2 and above), extend to 1,640 feet (500 meters).

Cables

- Interface cables between the source/display and the transmitter/receiver are required for proper operation.
- Use DP-xx-MM cable to connect a DisplayPort source or display up to 15 feet (not included).
- Use DP8K-FO-xxM-MMLC or DP8K-FOCMP-xxM-MM active optical cable to connect a DisplayPort monitor up to 100 meters (not included).
- One 6 ft (1.85 m) male USB Type A to male USB Type B interface cable included.
- Use CAT6/6a/7 cable terminated with standard RJ45 connectors to extend the receiver from the transmitter (not included).
  - Extend a 4Kx2K signal up to 328 feet (100 meters).
  - Extend a 1080p or 1920x1200 signal up to 492 feet (150 meters).
- Use a simplex singlemode LC 9-micron fiber optic cable to extend the receiver from the transmitter up to 6.21 miles (10 km). Not included.
- Use a simplex multimode LC 50-micron (OM2 and above) fiber optic cable to extend the receiver from the transmitter up to 1,640 feet (500 m). Not included.

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