

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

XTENDEX®

Extend an Ultra-HD 4Kx2K 30Hz HDMI 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 and 4096x2160 @30Hz YUV 4:4:4, HDTV resolutions to 1080p, 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 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, extend to 984 feet (300 meters).
- HDMI features supported:
 - HDMI 1.4
 - 36-bit Deep Color
 - RGB, YCbCr 4:4:4, YCbCr 4:2:2
 - Dolby, DTS, Stereo, and LPCM
 - Bandwidth up to 340 MHz (10.2 Gbps)
- HDCP 1.4 compliant.
- Four USB 2.0 ports for keyboard, mouse, flash drive, HDD or touchscreen display.
- 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.
 - 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 HDMI display device.
- Mounting brackets included for easy surface/wall mounting.

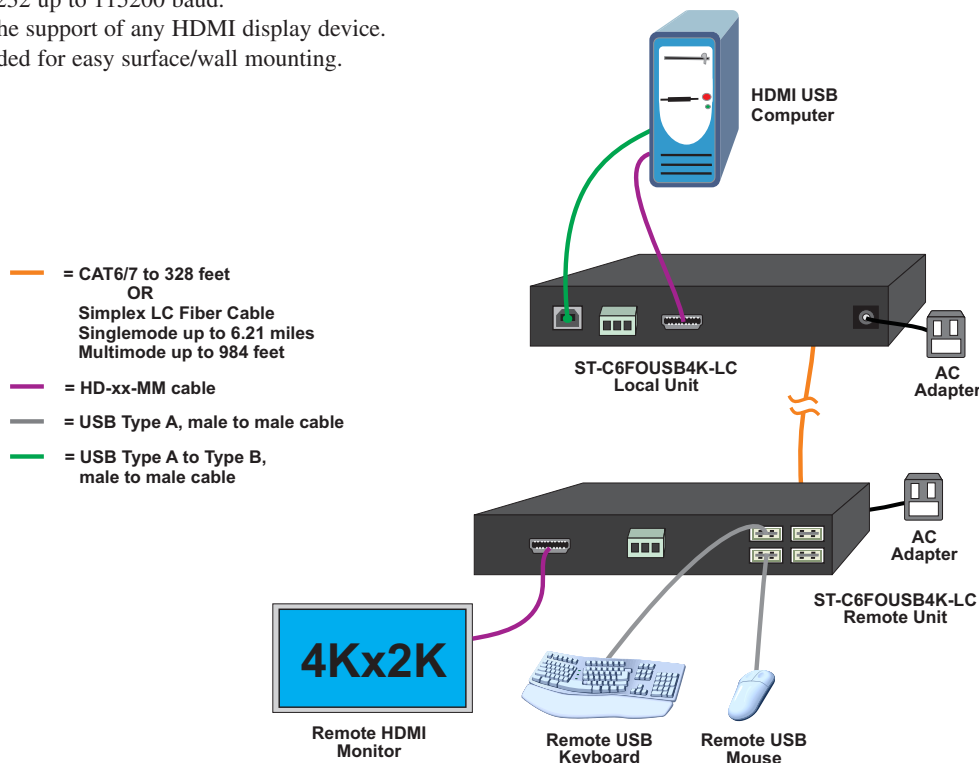


**ST-C6FOUSB4K-LC
(Local and Remote Units)**

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

The XTENDEX® 4K 10.2Gbps HDMI USB KVM Extender via CAT6/7 or Fiber provides remote KVM (USB keyboard, USB mouse and 4Kx2K 30Hz UHD HDMI monitor) access to a USB computer up to 328 feet (100 meters) away via CAT6/6a/7 cable, 6.21 miles (10 km) via simplex LC singlemode fiber optic cable, or 984 feet (300 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 an HDMI monitor, bi-directional 3.5mm stereo audio speakers and microphone, RS232, and up to four USB devices (keyboard, mouse, flash drive, HDD, or touchscreen display).



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Specifications

Local Unit

- Compatible with a USB computer with Ultra-HD HDMI output.
- Multiplatform support: Windows XP/Vista/7/8/10, Windows Server 2003/2008/2012/2016/2019, Linux, and MAC OS 10/11.
- One female HDMI 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.
- Supports HDCP 1.4

Remote Unit

- One female HDMI connector.
- Four female USB 2.0 Type A connectors for keyboard, mouse, flash drive, HDD, or touchscreen display.
- 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 and 4096x2160 @30Hz YUV 4:4:4
 - HDTV resolutions to 1080p
 - Up to 1920x1200 (WUXGA)
- Supports embedded digital audio through HDMI compatible TVs or audio receivers.

Dimensions

- WxDxH (in):6.32x3.82x1.1 (161x97x28 mm)

Power

- Local and remote unit:
 - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter (included).
 - Output: 12VDC, 2A

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

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, extend to 984 feet (300 meters).

Cables

- Interface cables between the source/display and the transmitter/receiver are required for proper operation.
 - Supports HDMI cable lengths to 20 feet for 4Kx2K resolutions and 50 feet for 1080p.
 - Longer cables can be used provided they have a built-in video equalizer (also known as "active HDMI cables").
- Use HD-xx-MM cable to connect an HDMI source or display.
 - HD-3/6/10/15/20-MM supports resolutions to 4K@30Hz.
 - HD-30/50-MM supports resolutions to 1080p.
- Use HD-ACT-xx-MM 4K HDMI Active Cables to connect an HDMI source or display up to 100 feet.
- Use DVI-HD-xx-MM to connect DVI source or display.
 - Does not support 4Kx2K resolutions.
- Use a USB2-AB-x-5T male USB Type A to male USB Type B interface cable to connect the USB computer to the transmitter.
- Use CAT6/6a/7 cable terminated with standard RJ45 connectors to extend the receiver from the transmitter.
 - 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).
- Use a simplex multimode LC 50-micron fiber optic cable to extend the receiver from the transmitter up to 984 feet (300 meters).
- Cables not included.