

# 4K 18Gbps HDMI USB KVM Extender via One CAT6/6a/7 Cable

XTENDEX®

Extend an Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI monitor, USB keyboard, and USB mouse up to 230 feet (70 m) away from the computer. Supports USB touchscreen monitors.

- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 @60Hz and 4096x2160 @24/25Hz YUV 4:4:4, HDTV resolutions to 1080p @60Hz, and up to 1920x1200 (WUXGA).
- Signal transmission via one CAT6/6a/7 cable up to 230 feet (70 m).
  - Zero latency.
- HDMI features supported:
  - HDMI 2.0 compliant.
  - Up to 36-bit Deep Color
  - LPCM, Dolby Digital, and DTS
  - RGB, YCbCr 4:4:4, YCbCr 4:2:2, and YCbCr 4:2:0
  - Bandwidth up to 18 Gbps
  - 3D
  - HDR10
- HDCP 2.2 and 1.4 compliant.
- Supports local and remote HDMI displays.
- Built-in default EDID table.
- Supports HDMI-embedded digital audio and SPDIF digital audio output.
- Two USB ports for keyboard, mouse, or touch screen monitor.
  - Compliant with USB 1.1 (low/full speed) standards.
  - Keyboard and mouse are hot-pluggable.
- Supports Plug-and-Play specification.
- Built-in surge and ESD protection.
- Mounting brackets included for easy surface/wall mounting.



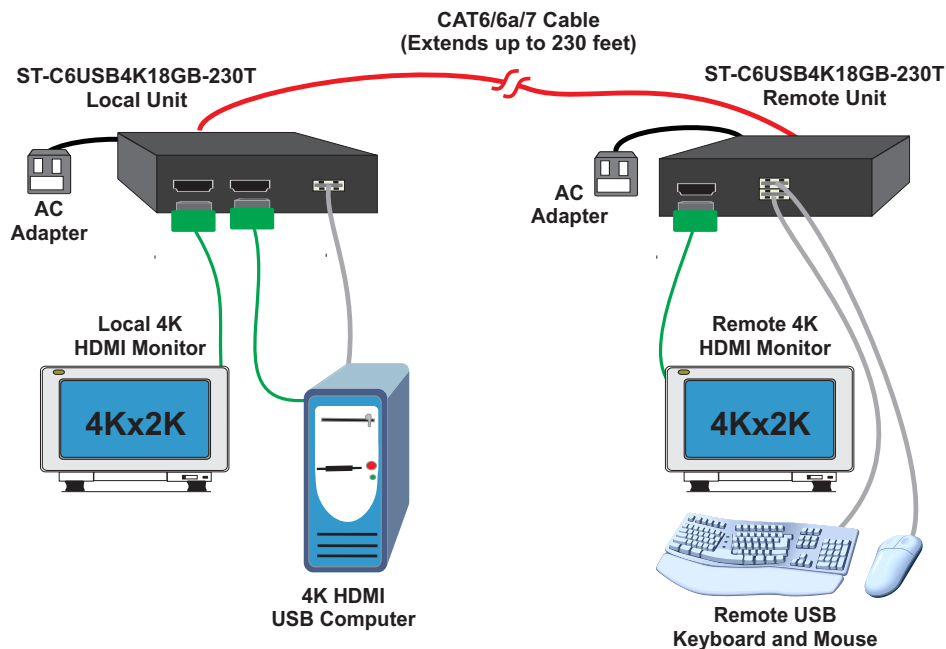
**ST-C6USB4K18GB-230T**  
**(Local & Remote Unit)**

The XTENDEX® 4K 18Gbps HDMI USB KVM Extender via One CAT6/6a/7 Cable provides remote KVM (USB keyboard, USB mouse and 4Kx2K 60Hz UHD HDMI monitor) access to a USB computer up to 230 feet (70 m) away via CAT6/6a/7 cable.

Each KVM extender consists of a local unit that connects to a computer and a local display via the HDMI loop output; and a remote unit that connects to an HDMI USB touchscreen monitor or a standard HDMI monitor, USB keyboard, and USB mouse. The local and remote units are interconnected via CAT6/6a/7 cable.

- **Resolutions to Ultra-HD 4Kx2K 60Hz 4:4:4**
- **18Gbps Bandwidth**
- **HDMI 2.0**
- **Zero Latency**
- **Supports USB Touchscreen Monitor**

## Configuration and Cable Illustration



# 4K 18Gbps HDMI USB KVM Extender via One CAT6/6a/7 Cable

XTENDEX®

Extend an Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI monitor, USB keyboard, and USB mouse up to 230 feet (70 m) away from the computer. Supports USB touchscreen monitors.

## Specifications

### Local Unit

- Compatible with a USB computer with Ultra-HD HDMI output.
- Multiplatform support: Windows 7/10/11, Linux, and MAC OS 10/12/13.
- One female HDMI connector for source.
- One female HDMI connector for local display.
- One female USB Type A connector.
- One female RJ45 port for sending/receiving video, audio, and USB signals.
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 @60Hz and 4096x2160 @24/25Hz YUV 4:4:4, HDTV resolutions to 1080p @60Hz, and up to 1920x1200 (WUXGA).
- Supports HDCP 2.2 and 1.4.

### Remote Unit

- One female HDMI connector for display.
  - Supports Ultra-HD 4Kx2K resolutions to 3840x2160 @60Hz and 4096x2160 @24/25Hz YUV 4:4:4, HDTV resolutions to 1080p @60Hz, and up to 1920x1200 (WUXGA).
  - Supports embedded digital audio.
- Two USB ports for keyboard, mouse, or touch screen monitor.
  - Compliant with USB 1.1 (low/full speed) standards.
  - Keyboard and mouse are hot-pluggable.
- One TOSLINK optical port for SPDIF digital audio.
- One female RJ45 port for sending/receiving video, audio, and USB signals.

### Power

- Local unit:
  - 100 to 240 VAC at 50 or 60Hz via AC adapter (included).
  - Input voltage: 5VDC, 2A
  - Power consumption: 2.25W
- Remote unit:
  - 100 to 240 VAC at 50 or 60Hz via AC adapter (included).
  - Input voltage: 5VDC, 3A
  - Power consumption: 8.55W

### Dimensions

- WxDxH: 5.91x4.17x1.03 (150x106x26 mm)

### Environmental

- Operating temperature: -4 to 140°F (-20 to 60°C).
- Storage temperature: -22 to 158°F (-30 to 70°C).
- Operating and storage relative humidity: 0 to 90% non-condensing RH.

### Regulatory Approvals

- CE, FCC, RoHS

### Warranty

- Two years.

### Max Distance

- 230 feet (70 meters) using one CAT6/6a/7 cable.

### Cables

- Interface cables between the computer/display and the transmitter/receiver are required for proper operation.
  - Supports cable lengths to 20 feet for 4K resolutions and lengths to 50 feet for 1080p@60Hz using passive HDMI cables.
- Use HD-xx-MM cable to connect an HDMI source or display (not included).
- Use HD-ACT-xx-MM 4K HDMI Active Cables to connect an HDMI computer up to 100 feet (not included).
  - HD-ACT-20/25/30/40/50-MM supports resolutions to 4K@60Hz (18 Gbps).
  - HD-ACT-60/75/100-MM supports resolutions to 4K@30Hz (10.2 Gbps).
- Use DP-HD-xx-MM cables to connect a DisplayPort computer up to 15 feet (not included).
  - Supports resolutions up to 4k@30hz 4:4:4 and 4K@60Hz 4:2:0.
- Use USB3C-HD4K-xx-MM to connect a 4K@60Hz computer with USB Type C connector up to 10 feet (not included).
- Use DVI-HD-xM-MM to connect a DVI computer up to 5 meters (not included).
  - Supports resolutions to 1080p.
- Use CAT6/6a/7 solid straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).
- One 4 ft (1.2 m) male-to-male USB Type A cable included.

### Package Includes

- One transmitter
- One receiver
- One 4 ft (1.2 m) male-to-male USB Type A cable
- Two power supplies
- Mounting brackets .