4K 60Hz DisplayPort USB KVM HDBaseT Extender via CATx Cable with RS232 & Stereo Audio

XTENDEX®

Extend Ultra-HD 4Kx2K 60Hz 4:4:4 DisplayPort monitor, audio, 4 USB devices, and RS232 up to 328 feet away from the source using HDBaseT technology

- Transmits an uncompressed high-speed DisplayPort signal over one CAT6a/7 cable using HDBaseT technology.
- Supports Ultra-HD 4Kx2K resolutions to 3840x2160 @60Hz YUV 4:4:4, and HDTV resolutions to 1080p @60Hz.
  - Using HDBaseT-certified CAT6a cable, extend up to 328 feet (100 meters).
  - Using standard CAT6a/7 cable, extend up to 175 feet (53 meters).
- DisplayPort features supported:
  - DisplayPort 1.2
  - 48-bit Color
  - RGB, YCbCr 4:4:4, YCbCr 4:2:2
  - LPCM, Dolby TrueHD, and DTS-HD Master Audio
- HDCP 1.3 compliant.
- Four USB 2.0 ports support fully transparent USB connection.
  - Extend USB devices such as a keyboard, mouse, game controller, USB flash drive, touch screen monitor, whiteboard, etc.
  - Compliant with USB 2.0 (low/full/high speed) standards.
- Supports DP-embedded digital audio and 3.5mm stereo audio input/output.
- Supports full-duplex RS232 at 115200 baud.
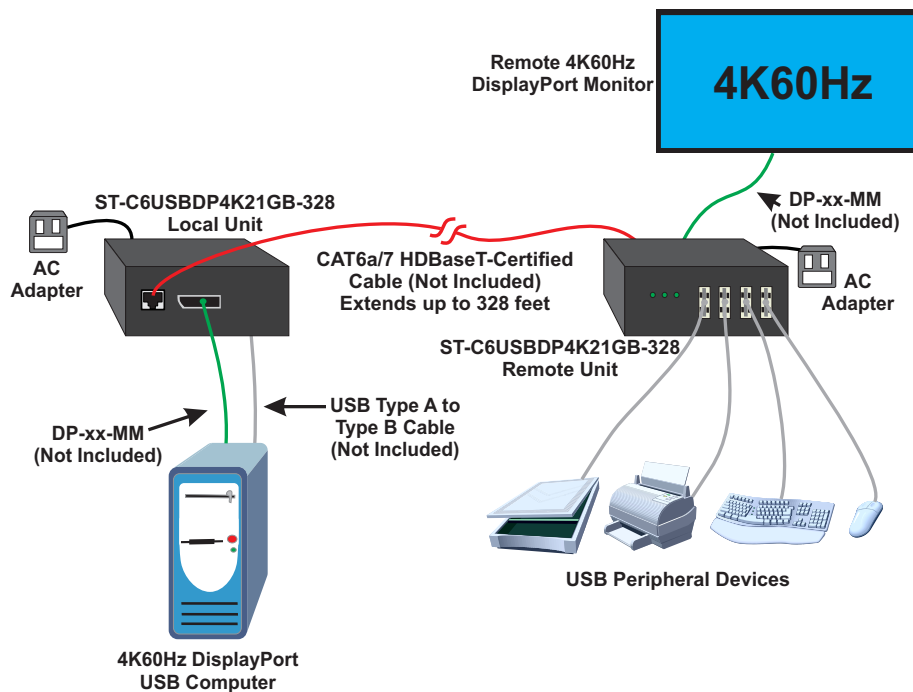- Mounting brackets included for easy surface/wall mounting.

ST-C6USBDP4K21GB-328
(Remote Unit – Front & Back)

- **Extend Ultra-HD 4Kx2K @60Hz to 328 feet**
- **Transparent USB 2.0 Extension**
- **RS232 & Stereo Audio**
- **Uses HDBaseT technology.**

The XTENDEX® 4K DisplayPort USB KVM HDBaseT Extender transmits uncompressed digital Ultra-HD 4Kx2K 60Hz 4:4:4 DisplayPort signal, transparent USB, stereo audio, and RS232 up to 328 feet over a single HDBaseT-certified CAT6A cable. Each extender consists of a local unit that connects to a computer, and a remote unit that connects to a UHD DisplayPort display and USB 2.0 device.

Configuration and Cable Illustrations

Extend Ultra-HD 4Kx2K 60Hz 4:4:4 DisplayPort monitor, audio, 4 USB devices, and RS232 up to 328 feet away from the source using HDBaseT technology

Specifications

Local Unit

- Compatible with a USB computer or UHD video source with DisplayPort output.
- Multiplatform support: Windows 7/10/11, Linux, and MAC OS 10/11/12/13.
- One female DisplayPort connector.
- One female USB Type B connector.
- One female 3.5mm port for RS232 connection.
- Two female 3.5mm stereo audio ports for line in and line out.
- One female USB Micro B connector for firmware updates.
- One female RJ45 port for sending/receiving UHD video, audio, USB, and RS232 signals.
- HDCP compliant.

Remote Unit

- One female DisplayPort connector for monitor.
- Four female USB Type A connector.
  - Transparent data extension.
  - Supports a high-speed (480 Mbps), full-speed (12 Mbps), or low-speed (1.5 Mbps) USB device – keyboard, mouse, game controller, USB flash drive, touch screen monitor, whiteboard, etc.
- One female 3.5mm port for RS232 connection.
  - Support full-duplex RS232 up to 115200 baud.
- Two female 3.5mm stereo audio ports for line in and line out.
- One female USB Micro B connector for firmware updates.
- One female RJ45 port for sending/receiving UHD video, audio, USB, and RS232 signals.
- Supports resolutions up to Ultra-HD 4Kx2K (3840x2160 @60Hz 4:4:4).
- Supports embedded digital audio through DisplayPort compatible displays or audio receivers.
- HDCP compliant.

Dimensions

- WxDxH (in): 4.89x4.81x1.25 (124x122x32 mm)

Power

- Local unit:
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter.
  - Output: 12VDC, 1.5A
- Remote unit:
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter.
  - Output: 12VDC, 2.5A
  - The current passing through each USB port cannot exceed 0.5A.

Environmental

- Operating temperature: -4 to 158°F (-20 to 70°C).
- Storage temperature: -40 to 185°F (-40 to 85°C).
- Operating/storage relative humidity: up to 95% non-condensing RH.

Regulatory Approvals

- FCC, RoHS
- TAA compliant

Warranty

- Two years

Max Distance

- Using HDBaseT-certified CAT6a cable, extend up to 328 feet (100 meters).
- Using standard CAT6a/7 cable, extend up to 175 feet (53 meters).

Cables

- Interface cables between the source/display and the transmitter/receiver are required for proper operation.
- Use DP-xx-MM to connect a DisplayPort source or display up to 15 feet.
- Use DP4K21GB-FO-xxM-MM to connect a DisplayPort source or display up to 100 meters.
- Use CAT6a/7 solid straight through cables for TIA/EIA 568B wiring terminated with standard RJ45 connectors.
  - Use HDBaseT-certified CAT6a cable to extend up to 328 feet (100 meters).
  - Use standard CAT6a/7 cable to extend up to 175 feet (53 meters).
- Use a male USB Type A to male USB Type B interface cable.
- Use male 3.5mm to female/male DB9 cables for RS232.
- Use male-to-male 3.5mm stereo audio cable.
- Cables not included.

NTI **NETWORK TECHNOLOGIES INCORPORATED**

1.800.RGB.TECH (800.742.8324)
Toll Free: US & Canada

330.562.7070
International calls

330.562.1999
Worldwide fax

sales@ntigo.com
www.networktechinc.com

2

© 2023 NTI. All rights reserved.