

4K HDBaseT™ Repeater with 1x2 HDMI Splitter

Daisy Chain & Extend Several 4K displays up to 100 meters

MPN: EXT-HDRPT100M



The **KanexPro EXT-HDRPT100M** is a 4K based signal repeater extender designed with one HDBaseT™ input and one HDBaseT output to create a daisy-chainable path to several displays with each repeater supporting up to 330' (100 meters) in distance. It provides two HDMI output ports and two RS-232 ports dedicated for each output to control displays. The RS-232 ports can be used to send commands (such as power on/off) to compatible displays and projectors. When RS-232 is under control from the display each repeater in the daisy chain can be individually addressed for sending specific commands at the particular node. And each repeater is assigned with a unique address from the front-panel rotary dial (0-F).

Professionally designed for digital signage applications, one can extend HDMI signals to two or more displays using a single HDMI device such as a media player or a PC. Furthermore, it lets you loop out to another HDBaseT repeater to daisy chain more displays. Also supports built-in audio de-embedding using phoenix connectors to 2-channel stereo or an amp. It supports HDCP 2.2 specs with 4K@24, 30, 50 & 60Hz video resolutions with a 4:2:0 sampling rate up to 10 bit for better HDR support and color depths.

FEATURES

- Daisy chain, extend & control 4K video & audio at every 330 ft. up to 16 displays
- Extend uncompressed, 4K HDMI video, RS-232 and stereo audio up to 330ft. on a single CAT6
- Two addressable RS-232 ports on each repeater for controlling 2-displays
- Supports 1080p and WUXGA video with stereo audio
- Supports 4Kx2K@24, 30Hz, 50 & 60Hz
- Built-in 1x2 HDMI distribution amplifier for 2-displays (mirrored)
- Supports 4:2:0 sampling rate with HDR support @10 bit
- Built in audio de-embedder via phoenix connector
- Incorporates HDCP 2.2 w/ CEC pass-thru
- CATx extension up to 330ft. (100m)
- Conforms to the latest high speed specifications
- Bi-directional control over RS-232
- Front-panel & ethernet LED's provides real-time I/O connection status
- Universal rs-232 code compatible with any 3rd party control systems
- Locking HDMI connectors & power supplies
- Universal power supply for worldwide compatibility
- Backed by KanexPro 3 Year Warranty

SPECIFICATIONS

Input:

- 1 x HDBaseT (RJ45)

Output:

- 1 x HDBase-T(RJ-45)
- 2 x HDMI(HDMI female)
- 2 x RS-232(9 pin female D connector)
- 1 x Captive screw stereo audio

Audio Support:

- Embedded Audio Signal: Supports PCM/Dolby/DTS
- Output Analog Audio Signal: Supports PCM
- Analog Audio Frequency Response : 20 Hz to 20 kHz, 33 dB

Transmission Mode:

- HDBase-T, synchronous switching mode
- Resolutions (HDTV):
- 480i,576i,480p,576p,720p,1080i,1080p,3D, 4K@60Hz

Computer Resolution:

- WUXGA (1920x1200)

Transmission Distance:

- Max distance 330 ft (100m)
- Also works with 230 ft (70m) HDBaseT Lite

HDCP Support:

- HDBaseT In: HDCP 2.2
- HDBaseT Out / HDMI out: HDCP 1.4

RS-232 Mode:

- RS232 Mode 1: Broadcast: Send same data on Tx port for all RS232 port of HDBT repeaters & HDBT receiver
- RS232 Mode 2: Point to point: we send command to specified port of each HDBT repeaters via specified command with ID number)

Baud Rate: 9600

Display EDID Priority:

- HDBT OUT -->HDMI LOOP (HDMI1 + HDMI2) EDID will be repeated when connected to outputs during daisy chain

Power Supply:

- Input: 100VAC-240VAC, 50/60Hz
- Output: 12VDC, 2A
- Maximum Power Consumption: 14W

DIAGRAM

