

18Gbps USB-C 4K60 HDBaseT 3.0 Extender with 100W PD (70m)




Single-Cable USB-C Video, Data, and Power Extension over CAT6A with 4 USB 2.0 Device Ports

MPN: EXT-USBCPD4K-70M



The KanexPro EXT-USBCPD4K-70M bridges USB-C laptops and remote displays over a single CAT6A/7 cable, delivering 4K60 4:4:4 video, USB 2.0 peripheral access, and up to 100W device charging — all via HDBaseT 3.0. Purpose-built for BYOD conference rooms, classrooms, and collaboration spaces, this extender eliminates the cable clutter and adapter chains that plague USB-C-to-display installations by converging video, data, and power into one HDBaseT link up to 70 meters.

The transmitter accepts a USB-C source with DP Alt Mode (v1.2a) and passes uncompressed 4K60 4:4:4 video at 18Gbps, along with HDR, HDR10+, Dolby Vision, and HLG. A dedicated CHARGE port enables 100W USB-C PD to keep laptops powered. The receiver outputs HDMI 2.0b to the display and provides four USB 2.0 device ports for cameras, keyboards, mice, and storage. RS-232 pass-through and bidirectional 24V PoC simplify integration.

 4K60 4:4:4 HDR 18 Gbps	 100W PD USB-C Power Delivery	 HDBaseT 3.0 up to 70m	 USB 2.0 4 Device Ports on RX	 HDCP 2.3 Secure Content Playback
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KEY FEATURES

- HDBaseT 3.0 extender with USB-C input supporting DP Alt Mode (v1.2a) for video, USB 2.0 data, and power delivery
- 18Gbps video bandwidth with uncompressed 4K60 4:4:4 (8-bit) up to 40m and 4K30 4:4:4 (8-bit) up to 70m over CAT6A/7
- USB-C Power Delivery up to 100W via dedicated CHARGE port on the transmitter
- HDMI 2.0b output on receiver with HDCP 2.3 compliance for secure content playback
- HDR, HDR10+, Dolby Vision, and HLG pass-through for full dynamic range support
- Four USB 2.0 device ports on the receiver (3× USB-A, 1× USB-C) with 5V/1A per port
- RS-232 signal pass-through and API command control via SERVICE port for room automation
- Bidirectional 24V PoC — power either TX or RX, the other unit powers over the CAT cable

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b • HDCP 2.3
Video Resolution	Up to 4K@60Hz (4:4:4 8bit)
HDR Formats	HDR10 • HDR10+ • Dolby Vision • HLG
Audio	LPCM 2/5.1/7.1, TrueHD, Atmos, DTS-HD MA, DTS:X
USB	USB 2.0 • TX: 2 ports • RX: 4 ports (3×A + 1×C)
USB-C PD	Up to 100W via dedicated CHARGE port on TX
TX I/O	1× USB-C IN • 1× CHARGE • 2× USB-A • 1× HDBaseT OUT [RJ45] • RS-232 • SERVICE
RX I/O	1× HDMI OUT • 3× USB-A • 1× USB-C • 1× HDBaseT IN [RJ45] • RS-232 • SERVICE
Distance	4K60 4:4:4: 40m • 4K30 4:4:4: 70m • USB 2.0: 70m (CAT6A/7)
Enclosure	Metal • Black • 120 × 113 × 25.5 mm (TX/RX each)
Power	DC 24V/2.7A • 51.36W max (with USB devices) • Bidirectional PoC

PACKAGE CONTENTS

1× Transmitter (TX) • 1× Receiver (RX) • 2× 3-pin Phoenix Connector • 1× 24V/2.7A Power Supply • 1× User Manual



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