18Gbps USB-C HDBaseT 3.0 Extender with 100W PD (4K60 to 40m, 4K30 to 70m)

Single-Cable USB-C Video and USB 2.0 Extension over CAT6A/7, with 100W Laptop Charging and 4 USB Device Ports

MPN: EXT-USBCPD4K-70M



The KanexPro EXT-USBCPD4K-70M connects a USB-C laptop to a remote HDMI display over a single CAT6A/7 cable using HDBaseT 3.0. It carries video, USB 2.0 peripheral data and up to 100W of laptop charging: 4K60 4:4:4 (8-bit) up to 40 meters, and 4K30 4:4:4 (8-bit) up to 70 meters. It is built for BYOD conference rooms, classrooms and collaboration spaces, and replaces the adapter chains common in USB-C-to-display installs with one HDBaseT link.

The transmitter accepts a USB-C source with DP Alt Mode (v1.2a) and passes uncompressed video at 18Gbps, with HDR, HDR10+, Dolby Vision and HLG. Audio travels with the video to the HDMI output: LPCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X. To charge the laptop, connect your own USB-C PD charger (not included) to the transmitter's CHARGE port. The USB-C IN port then delivers up to 100W to the laptop, and it delivers no power without one. The receiver outputs HDMI 2.0b to the display and has four USB 2.0 device ports for cameras, keyboards, mice and storage. RS-232 pass-through and bidirectional 24V PoC simplify system integration and installation.

One Cable	4K60 to 40m	100W PD	4 USB Ports	HDCP 2.3
Video, USB 2.0 and 100W charging over CAT6A/7	Uncompressed 4:4:4 (8-bit), 4K30 to 70m	Charges the laptop from your own USB-C charger	Cameras, keyboards, mice and storage at the display	HDR10+, Dolby Vision and HLG pass-through

KEY FEATURES

- USB-C input with DP Alt Mode (v1.2a): video, USB 2.0 data and power over one CAT6A/7 cable
- 18Gbps HDBaseT 3.0: 4K60 4:4:4 (8-bit) to 40m, 4K30 4:4:4 (8-bit) to 70m
- Up to 100W USB-C PD to the laptop via your own PD charger on the CHARGE port
- HDMI 2.0b output with HDCP 2.3
- HDR, HDR10+, Dolby Vision and HLG pass-through
- Four USB 2.0 ports at the receiver (3x USB-A, 1x USB-C), 5V/1A each
- RS-232 pass-through and API control via SERVICE port
- Bidirectional 24V PoC: power either TX or RX

SPECIFICATIONS

Standard	HDBaseT 3.0
Video Bandwidth	18 Gbps
Max Resolution	4K@60Hz (4:4:4, 8-bit)
4K60 Distance	Up to 40m / 130ft
4K30 Distance	Up to 70m / 230ft
USB 2.0 Distance	Up to 70m / 230ft (CAT6A/7)
HDMI / HDCP	HDMI 2.0b / HDCP 2.3
HDR Formats	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio	LPCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD MA, DTS:X
USB Ports (RX)	3x USB-A, 1x USB-C, USB 2.0, 5V/1A each
Power Delivery	Up to 100W (external USB-C PD charger required)
Control	RS-232 (3-pin phoenix), SERVICE port API
Package Contents	1× Transmitter (TX) • 1× Receiver (RX) • 2× 3-pin 3.5mm Phoenix Connector (male) • 1× 24V/2.7A Desktop Power Supply

APPLICATIONS

BYOM huddle room	Classroom or lecture room lectern	Training room with a rear display wall	Executive office or boardroom credenza	Controlled-room integration
The laptop connects at the table with one USB-C cable		Long rooms push the source-to-display run past 40m	The display and room peripherals sit on the far wall	Where the room has a control system