

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



1 PRODUCT OVERVIEW

DESIGNED FOR

AV/IT integrators, BYOD deployment specialists, and enterprise IT professionals specifying USB-C presentation systems for conference rooms, classrooms, and collaboration spaces.

THE CHALLENGE

BYOD USB-C users need a single-cable connection point at a meeting room table or lectern that delivers 4K display, USB peripherals, and laptop charging — without running three separate cables or exposing equipment in the room.

THE KANEXPRO ADVANTAGE

HDBaseT 3.0 + USB-C DP Alt Mode + 100W USB-C PD + 4× USB 2.0 device ports + HDMI 2.0b output + RS-232 + bidirectional PoC in a single kit at 70m. 100W PD is a key differentiator vs. DVDO Xtend-USBC-HDMI-70 which lacks dedicated PD charging.

2 PRODUCT POSITIONING

EXT-USBCPD4K-70M is the BYOD single-cable extender for AV integrators who need USB-C 4K60 video, USB 2.0 peripheral access, and 100W laptop charging at 70 meters over a single CAT6A cable.

3 APPLICATIONS



BYOD Conference

Walk in with a USB-C laptop, connect to one cable at the table, and instantly get 4K display, peripherals, and 100W charging — all extended to the display at 70m.



Classrooms

Instructor plugs USB-C into the lectern; 4K signal extends to the projection system; USB 2.0 connects doc cameras and clickers; 100W keeps the laptop charged through class.



Hospitality

Hotel meeting rooms and ballrooms can extend 4K BYOD presentation capability from a central rack to podium connection points up to 70m away.



Collaboration Spaces

Extend a USB-C BYOD connection point to a remote meeting room display without exposing rack equipment or running multiple cables.



Healthcare

Mobile workstations connect via USB-C; 4K imaging signal extends to a wall-mounted display; 100W PD charges the workstation during rounds.



Digital Signage

Drive 4K60 display content from a secure source room to a public-facing display up to 70m over CAT6A infrastructure.

4 WHO THIS IS FOR

AV/IT Integrators

Corporate AV

Education

Industrial

Healthcare

Security

Ideal User

AV/IT integrator or enterprise IT professional specifying BYOD-first conference room and classroom installations.

Project Types

Corporate BYOD conference rooms, higher education classrooms, hospitality meeting rooms, collaboration spaces, healthcare mobile workstations.

Typical Buyer

AV/IT integrator (specifier); IT director, facilities manager, or AV director (approver).

5 KANEXPRO PRODUCT COMPARISON

EXT-USBCPD4K-70M is the BYOD single-cable solution in the KanexPro USB extender family:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
EXT-USBCPD4K-70M	This product	4K60 USB-C, 100W PD, USB 2.0, RS-232, PoC, 70m	BYOD single-cable: video + data + 100W power at 70m
EXT-USBCPD2X4K-100M	Same family	Dual USB-C host, dual 4K HDMI, 100W PD, audio, 100m	Dual-host premium tier; 100m; adds audio de-embed
EXT-USBC-100M	Same family	USB 3.2 Gen 1 only, no video, 100m	When 4K video is not needed; extends to 100m
EXT-USBC2XI-100M	Same family	Dual-host USB-B + USB-C, no video, 100m	Legacy USB-B environments without video requirement

► EXT-USBCPD4K-70M is the right choice for BYOD USB-C conference rooms and classrooms requiring 4K60 + 100W charging + USB devices at up to 70m.

6 FREQUENTLY ASKED QUESTIONS

Q: Does this support USB 3.2 data transfer?

The USB-C input carries USB 2.0 data over the HDBaseT 3.0 link (max 480Mbps). The DP Alt Mode carries 4K60 video. USB 3.2 Gen 1 (5Gbps) is not passed — use EXT-USBC-100M if 5Gbps USB data is required.

Q: How much power does the CHARGE port deliver?

Up to 100W via the dedicated USB-C CHARGE port on the transmitter. This is separate from the USB-C input that carries video and data.

Q: What happens if the laptop doesn't support DP Alt Mode?

DP Alt Mode (v1.2a) is required on the USB-C source. Laptops without DP Alt Mode will pass USB data only; no video will be output at the receiver.

Q: Can the system be powered from the RX end?

Yes. Bidirectional 24V PoC allows the power supply at the receiver to power the transmitter over the CAT6A cable. A DIP switch on each unit enables/disables PoC.

Q: What USB devices are supported at the receiver?

4 USB 2.0 ports (3× USB-A + 1× USB-C) at 5V/1A each. Compatible with webcams, keyboards, mice, storage drives, and touch panels.

Q: What cable is required?

CAT6A/7 is strongly recommended for 4K60 at 40m or 4K30 at 70m. Standard CAT6 may work at shorter distances; CAT5e is not supported.

Q: Does it support HDR?

Yes — HDR, HDR10, HDR10+, Dolby Vision, and HLG pass-through are supported.

7 SALES ANALYSIS

Channel Fit	AV distribution; IT/AV resellers; BYOD conference room integrators; enterprise IT direct.
Deal Size	1–10 units per project for conference room rollouts. 10–50 units for enterprise BYOD standardization.
Sales Cycle	3–8 weeks for project specification. Often spec'd with table-box or lectern connection point hardware.
Key Objections	"My laptop doesn't have DP Alt Mode" (answer: DP Alt Mode is required for video; USB 2.0 data and PD still work). "Why not a wireless presentation system?" (answer: wireless has latency and security issues; this is wired, zero-latency, 4K60).
Win / Loss Themes	Win on: 100W PD (DVDO lacks this), HDBaseT 3.0, 4K60 4:4:4, USB 2.0 hub at RX. Lose on: USB data limited to USB 2.0 (not 3.2 Gen 1); single host only.
Top Use Cases	1. BYOD conference room single-cable connect point (4K + USB + 100W PD); 2. Higher education BYOD classroom with document cameras and charging.