

4K60 HDMI & USB-C 2-Gang Wall Plate Extender Kit with USB 2.0 and 60W Charging, 100m

One USB-C Cable at the Table: Laptop Video, USB Camera and Mic, and 60W Charging to a Display Up to 100m over CAT6/6A - HDR, IR, RS-232, CEC and PoC

MPN: WP-EXTHDTC100



Puts one USB-C cable at the table that carries a laptop's 4K60 picture, USB 2.0 to the room's camera and audio devices, and up to 60W of charging, over a single CAT6/6A run of up to 100m to the display. The US 2-gang wall-plate transmitter takes a USB-C input and an HDMI input with automatic, manual and priority switching, and the HDBaseT 2.0 receiver at the display adds four USB 2.0 device ports, HDMI out and a balanced or unbalanced stereo audio output. It is built for bring-your-own-device and bring-your-own-meeting rooms where the camera, speakerphone and display sit away from the table.

Both inputs carry up to 4K60 4:4:4 with HDCP 2.3 and HDR10, HDR10+, Dolby Vision and HLG pass-through; the USB-C input runs DisplayPort 1.2a Alt Mode and charges the laptop at up to 60W when the wall plate has its own 24V supply. USB 2.0 travels at up to 255Mbps, enough for conference cameras, speakerphones, keyboards, mice and touch displays, and a USB host port at the plate gives an HDMI-connected computer the same devices. Bidirectional IR and RS-232, CEC pass-through and a DISPLAY ON/OFF button at the plate let the room be run from the table or a control system, and bidirectional PoC lets the one included 24V supply power both units.

1 PRODUCT OVERVIEW

DESIGNED FOR

Bring-your-own-device and bring-your-own-meeting rooms: conference rooms, boardrooms, training rooms and classrooms where a presenter plugs a laptop in at the table or lectern, and the display, room camera, microphone and speakers sit at the far end of the room or in a rack.

THE CHALLENGE

A meeting-room connection now has three jobs: show the laptop, connect it to the room's USB camera and speakerphone for the call, and keep it charged. Most wall plates only send video, so USB needs a second extender and cable, and charging needs a power brick at the table.

THE KANEXPRO ADVANTAGE

- One USB-C cable carries 4K60 4:4:4 HDR video, USB 2.0 and up to 60W of charging
- An HDMI input beside it, with a USB host port that follows it
- Up to 100m (328 ft) over a single CAT6/6A cable
- Four USB device ports and balanced or unbalanced audio out at the receiver
- IR, RS-232, CEC and PoC on the same cable, with a display on/off button at the plate

2 PRODUCT POSITIONING

The WP-EXTHDTC100 is the one-cable meeting-room wall plate: a laptop's USB-C carries 4K60 video, USB 2.0 to the room's camera and audio devices, and 60W of charging, with an HDMI input beside it, over one CAT6/6A run up to 100m.

3 APPLICATIONS



Conference Rooms

A presenter plugs one USB-C cable in at the table: the laptop's picture goes to the display, the room's USB camera and speakerphone connect back to the laptop for the call, and the laptop charges at up to 60W.



Huddle and Meeting Rooms

HDMI and USB-C inputs sit side by side at the plate, so a guest's laptop or the room PC connects without adapters, with auto or manual input switching.



Classrooms and Lecture Halls

A lectern plate reaches a display or projector up to 100m away over one CAT6/6a cable, with the room's USB document camera or microphone at the far end.



Training Rooms

The instructor's laptop drives the front display and uses a USB keyboard, mouse or touch display at the receiver; IR and RS-232 let the room's control system switch the display.



Boardrooms

A 2-gang plate with input and display on/off buttons at the table keeps the room simple for executives while the equipment stays in the rack.



Telehealth and Consultation Rooms

One cable carries the clinician's laptop picture, the room camera and microphone over USB, and charging, so calls run on the room's equipment.

4 WHO THIS IS FOR

Corporate meeting and training rooms

Higher education and K-12 classrooms

Government and council meeting rooms

Healthcare conference and telehealth rooms

Hospitality meeting spaces

Ideal User	commercial AV systems integrator / design engineer specifying meeting-room and classroom signal paths.
Project Types	corporate meeting and training rooms, higher education and K-12 classrooms, government and council meeting rooms, healthcare conference and telehealth rooms, hospitality meeting spaces.
Typical Buyer	the design engineer picks the part; purchasing approves against the BOM; in education, the district or campus AV standard sets it.

5 KANEXPRO PRODUCT COMPARISON

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
WP-EXTHDTC70	1-gang HDMI + USB-C, USB 2.0 KVM, 40m at 4K, no charging	2×1 HDMI & USB-C HDBaseT Wall Plate Extender Kit with KVM	WP-EXTHDTC70 (1-gang HDMI + USB-C, USB 2.0 KVM, 40m at 4K, no charging): this kit is its long-reach, charging successor for meeting rooms.
WP-EXTHDTC150	1-gang HDMI + USB-C, 120m at 4K, no USB, no charging	Long-Reach 2×1 HDMI & USB-C HDBaseT Wall Plate Extender Kit — 4K60 4:4:4	WP-EXTHDTC150 (1-gang HDMI + USB-C, 120m at 4K, no USB, no charging): the long-reach video-only choice; this kit trades 20m of reach for USB and charging.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
WP-EXTHDT50	1-gang HDMI + USB-C, 35m at 4K	2x1 HDMI & USB-C HDBaseT Wall Plate Extender Kit — 50 Meters	WP-EXTHDT50 (1-gang HDMI + USB-C, 35m at 4K): the entry plate.
WP-HDBASETX	2-gang HDMI + VGA, transmitter only, HDMI 1.4	2-Gang HDMI & VGA HDBaseT Wall Plate Transmitter with Scaler, RS-232 & PoH	WP-HDBASETX (2-gang HDMI + VGA, transmitter only, HDMI 1.4): this kit is the modern 2-gang plate.

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FREQUENTLY ASKED QUESTIONS

Q: Does one USB-C cable carry video, USB and charging?

Yes. The USB-C input takes DisplayPort 1.2a Alt Mode video up to 4K60 4:4:4 with HDCP 2.3, carries USB 2.0 to the receiver's device ports, and charges the laptop at up to 60W when the wall plate has its own 24V supply.

Q: What USB devices can I connect at the far end?

Conference cameras, speakerphones, keyboards, mice, touch displays and flash drives. USB 2.0 runs at up to 255Mbps to four device ports on the receiver, two USB-C and two USB-A, each 5V at 1A.

Q: Why a 2-gang wall plate?

It holds the USB-C and HDMI inputs, the INPUT and DISPLAY ON/OFF buttons, an IR receiving window and a USB host port in one plate at the table.

Q: What comes in the box?

The wall-plate transmitter, the receiver, one 24V/5A power supply, IR blaster and IR receiver cables, a 5V IR blaster cable, Phoenix connectors, mounting ears and screws. Documentation is digital: scan the QR code for the manual.