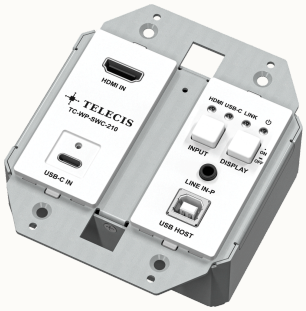
PRODUCTS › EXTENDERS

TC-WP-SWC-210

2×1 USB-C / HDMI HDBaseT 3.0 Wall Plate Transmitter

USB-C or HDMI at the table, one cable to the display



USB-C

or HDMI · switched automatically · US 2-gang plate

4K60 4:4:4

40 m on shielded CAT6A · with USB, control and power

PoH+

powered by the receiver · no adapter at the wall for video

Up to 60 W

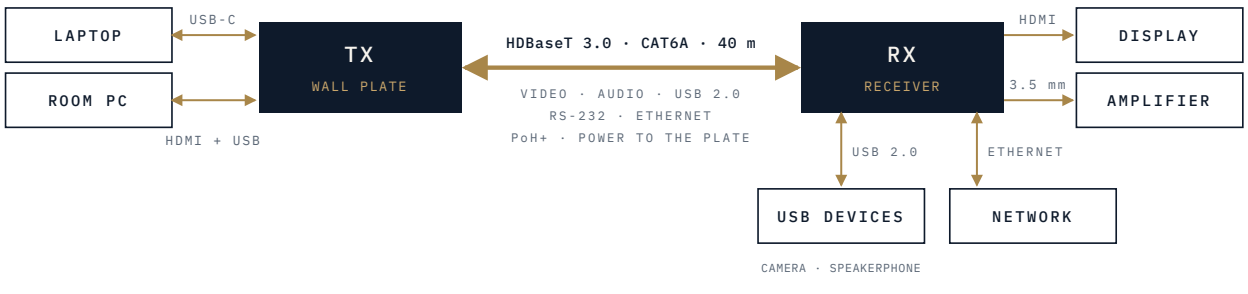
USB-C charging with the optional 20 V / 6 A adapter

TC-WP-SWC-210 is a two-input wall-plate transmitter for the meeting table or lectern, in a US 2-gang plate. A laptop connects by USB-C or HDMI, and the plate sends uncompressed 4K @ 60 Hz 4:4:4 (8-bit) over HDBaseT 3.0 to its receiver, **TC-RX-100**, on one shielded CAT6A cable of up to 40 m. Audio, USB 2.0, RS-232 and power travel on the same cable: the receiver powers the plate over it (PoH+), so the wall needs no adapter for video, and the computer at the plate gets the wired network through its USB connection.

The USB-C input is full-featured: video, USB and, with the optional 20 V / 6 A adapter at the plate, laptop charging up to 60 W (the cable must be rated USB 3.2 Gen 1). A room PC on HDMI gets its USB through the USB-B host port. The plate selects the source plugged in last and falls back to the other when it is unplugged; the INPUT button or the RS-232 API chooses by hand, and the DISPLAY button turns the screen on and off over CEC. A separate stereo line input rides to the receiver.

01 KEY CAPABILITIES

- 2 × 1 switcher in a US 2-gang wall plate — USB-C or HDMI in, HDBaseT 3.0 out
- Up to 40 m on one CAT6A cable: video, audio, USB 2.0, control and power together
- With **TC-RX-100**, the computer at the plate gets the wired network through its USB connection
- Uncompressed 4K @ 60 Hz 4:4:4 (8-bit), and 4K60 4:2:2 12-bit HDR
- Full-featured USB-C: video, USB and laptop charging up to 60 W (with a 20 V / 6 A adapter at the plate, not supplied by TELECIS)
- Powered by the receiver over the cable (PoH+) — no adapter at the wall for video



SIGNAL PATH · ONE CAT6A CABLE CARRIES VIDEO, USB, NETWORK, CONTROL AND POWER

02 VIDEO

Signal standard	HDMI 2.0 (HDMI input)
HDCP	HDCP 2.2
Maximum resolution	Up to 4096 × 2160 @ 60 Hz 4:4:4 (8-bit), on HDMI and USB-C
Resolution notes	4096 × 2160 at 24 / 30 / 50 / 59.94 / 60 Hz · 3840 × 2160 at 24 / 30 / 60 Hz · PC timings 800 × 600 to 2560 × 1600 at 60 Hz
Bandwidth	18 Gbps
HDR	4K60 4:2:2 12-bit HDR carried

03 AUDIO

HDMI audio formats	PCM 2.0 / 5.1 / 7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, DTS:X — on HDMI and USB-C
Analogue audio input	LINE IN-P: stereo (3.5 mm jack) — passed through to the receiver's LINE OUT-P

04 TRANSPORT & DISTANCE

Transport	HDBaseT 3.0, uncompressed
Transmission distance	40 m on CAT6A/7 shielded: 4K60 4:4:4 and 4:2:2 12-bit, with audio, USB 2.0, Ethernet, RS-232 and power together · 70 m at 1080p when the wall plate has its own 20 V supply (not supplied by TELECIS)
Power over the link	PoH+ — the transmitter is powered by the receiver over the HDBaseT cable

05 CONNECTIVITY

Inputs	1 × HDMI · 1 × USB-C (video, USB 2.0, charging)
Outputs	1 × HDBaseT (RJ45)
USB	USB-C input: USB 2.0 to its own computer; use a USB-C cable rated USB 3.2 Gen 1 or above · USB-B host port: for the computer on HDMI (follows the HDMI input) · with **TC-RX-100**, throughput about 160 Mbps for isochronous devices (cameras, audio), about 232 Mbps for bulk devices (storage)
Control ports	RS-232 (3-pin Phoenix) — API control, command pass-through, firmware · 115200 bps, 8-N-1
Other ports	DC 20 V input (2-pin Phoenix) — for USB-C charging; the adapter is not supplied by TELECIS

06 CONTROL

Control methods	Front-panel INPUT and DISPLAY buttons · RS-232 API
Switching	Automatic — the input connected last is selected; if it is unplugged, the other connected input takes over · detection is by the 5 V line, so a source left in standby keeps the input
Firmware update	Transmitter over RS-232; the HDBaseT chipset updates through the receiver
Operation	DISPLAY: press to turn the display on · hold 3 s to turn it off
Pairs with	**TC-RX-100** — HDBaseT 3.0 receiver

07 ELECTRICAL & PHYSICAL

Power supply	PoH+ from the receiver · a 20 V / 6 A adapter, not supplied by TELECIS, for USB-C charging and runs beyond 40 m
Power consumption	6.6 W max · 71.6 W max while charging a laptop
Dimensions (W × D × H)	89 × 36.25 × 105.6 mm (plate 89 wide × 105.6 high; 36.25 deep)
Weight	360 g
Mounting	US 2-gang wall box, or on a desk
Operating temperature	0 to 45 °C
Storage temperature	−20 to 70 °C
Humidity	10–90 % RH, non-condensing
ESD protection	±8 kV air · ±4 kV contact (human-body model)
Installation limits	On CAT5e/6 with patch cords: 30 m at 4K60 4:4:4 (and 4:2:2 / 4:2:0 36-bit) · patch cords count towards the maximum: at most one at each end, 5 m each · straight-through T568B; shielded CAT6A recommended

08 COMPLIANCE & ASSURANCE

Certification statement	Designed for global compliance — CE, FCC, RoHS, and regional certifications, as applicable.
Warranty	3 years

09 IN THE BOX

In the box	Wall-plate transmitter · US 2-gang faceplate with 4 screws · USB-A to USB-B cable (1.5 m) · 3-pin and 2-pin 3.5 mm Phoenix connectors · 4 mounting screws · no power adapter

10 ORDERING

Order code	**TC-WP-SWC-210**

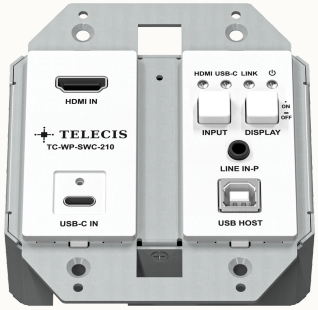
PRODUCT PAGE

telecis.com/products/extenders/tc-wp-swc-210/

VIEWS



REAR, WITH THE LABEL



FACE ON

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