



Pro AV/IT Integrator Series™ HDMI & USB-C 4K60Hz Wall Plate Extender Kit up to 164ft

Reliable HDMI, MDP 2x1 Switching and Extension

Comprehensive's CHE-HDWP85UD is a 2x1 switcher and CAT transmitter with HDMI and USB-C inputs. It features a US one-gang enclosure for Decora-style wall plate openings and supports video resolutions up to 4K/UHD@60Hz 4:4:4. The CAT6 output can extend video transmission distance up to 164ft. The CHE-HDWP85UD is remotely powered by the receiver or other CAT-equipped devices via POC.

A Must Have Device for Every AV Space

The CHE-HDWP85UD is ideal for use in classrooms, conference rooms, court rooms, work from home applications or anywhere HDMI and MDP devices can be extended from a local to remote location in a single room or building up to 164ft.

4K @60Hz 4:4:4 UHD AV Transmission

The CHE-HDWP85UD supports 4K@60Hz 4:4:4 UHD resolution, which has four times more pixels than 1080p, delivering exceptionally clear pictures, rich details, and texture, which will bring you a cinematic experience on your 4K display. Enjoy your wireless video anywhere in a room or building.

Reliable Auto-Switching

The CHE-HDWP85UD features automatic or manual switching between connected HDMI/USB-C sources. This allows flexible and reliable switching between 2 active sources to extend 4K@60Hz 4:4:4 AV signals up to 164ft. HDCP 2.2 is also supported for the transmission of encrypted content.

Quality You Can Count On

Since 1974, Comprehensive has been manufacturing the highest quality commercial grade solutions for AV and IT professionals. The CHE-HDWP85UD extender kit continues that tradition with high end materials, components and quality control to ensure years of worry-free use. All components are backed by Comprehensive's 3 Year Warranty, so you can be assured of guaranteed reliability.

Features

- Compliant with HDMI 2.0b, HDCP 2.2 and Display Port 1.2a
- HDMI input supports 18Gbps video bandwidth; USB-C input supports 5.4Gbps video bandwidth
- Video resolutions up to 4K/UHD@60Hz 4:4:4
- CAT6 output can extend video transmission distance up to 164ft for 4K@24 or 115ft for 4K@60 444 via a single CAT5e/6 cable
- Supports 3D and HDR format video, does not support CEC control
- HDMI audio formats support LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Supports HDMI and USB-C input
- US one-gang enclosure for Decora-style wall plate openings
- Input signal selection supports automatic mode and manual mode
- Available USB-C charging port
- Supports POC function (only from Receiver to Transmitter)
- 3 Year Warranty

Applications

- Small conference rooms
- BYOD applications
- Content sharing & extending
- Educational environments
- Commercial spaces
- Medical spaces
- Work from home applications
- Digital Signage



CHE-HDWP85UD



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Specifications

I/O Connections

- Transmitter (Local)
- Inputs:
 - 1x HDMI Type A [19-pin female]
 - 1x USB-C
- Output:
 - 1x CAT6 OUT [RJ45, 8-pin female]
 - 1x USB-C (only for charging)
- Control:
 - 1 x FW [Micro USB, Update port]
- Receiver (Remote)
- Input:
 - 1x CAT IN [RJ45, 8-pin female]
- Output:
 - 1x HDMI OUT [Type A, 19-pin female]
- Controls:
 - 1x IR IN [3.5mm Stereo Mini-jack]
 - 1x SERVICE [Micro USB, Update port]

Chassis and Environmental

- Construction: Metal Enclosure
- Color: Tx white, Rx black
- Dimensions (W*H*D)
 - Wall plate: 33.3mm [W] x 65.7mm [D] x 68.7mm [H]
 - Faceplate: 69.9mm [W] x 3mm [D] x 114.3mm [H]
 - Receiver: 88mm (W) x 61mm (D) x 18mm (H)
- Operating Temperature: 32 - 104°F / 0 - 40°C
- Storage Temperature: -4 - 140°F / -20 - 60°C
- Operating Humidity: 20 - 90% RH (no condensation)
- Total system shipping weight:
 - Wall plate: 175g
 - Receiver: 155g

Technical

- HDMI Compliance: HDMI v2.0b
- HDCP Compliance: HDCP v2.2
- DP Compliance: DisplayPort v1.2a
- Video Bandwidth
- HDMI: 18Gbps
- USB-C: 5.4Gbps
- Max Transmission Distance
 - 4K@24Hz: 164ft / 50m over CAT5e/6
 - 4K@60Hz: 115ft / 35m over CAT5e/6
- Max Transmission Resolution
 - 4K @60Hz 4:4:4
- Color Space: RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
- Color Depth: 8/10/12-bit (1080P@60Hz) 8-bit (4K@60Hz)
- HDR: Supported
- HDMI Audio Formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

Power & Regulatory

- Power Consumption
 - Wall plate: 3W (Max), Receiver: 3.72W (Max)
- ESD Protection
- Human body model:
 - ±8kV (Air-gap discharge)
 - ±4kV (Contact discharge)
- Prop 65 Compliant: No

What's In The Box

- 1x CHE-HDWP85UD Extender Kit (Transmitter & Receiver)
- 1x Power Adapter
- 1x User Manual

Other

- Diagnostic Indicators: Power and Status
- UPC: 808447085181
- Product Part Number : CHE-HDWP85UD
- Warranty: 3 years

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