



**HDBASET EXTENDER**

## Pro AV/IT HDBaseT™ 4K 18G Single Gang HDMI, USB 2.0 and Audio Wall Plate Extender Kit up to 230ft

### Extend 4K HDMI, Audio and USB 2.0 High Speed Signals over a Single UTP Cable up to 230ft

Comprehensive's CHE-HDBTWP121K Wall Plate Extender kit was designed to extend HDMI, analog audio and high speed USB 2.0 signals up to 230ft over Cat5e or Cat6 cables. Perfect for all commercial AV/IT installations that requires HDMI and USB 2.0 and audio inputs.

### Supports 4K HD Video up to 4K@60Hz (4:4:4)

This versatile USB/HDMI extender can transmit 4K resolutions up to 4K@60Hz 4:4:4 up to 131ft and 1080P@60Hz up to 230ft, making it perfect for classrooms, meeting rooms, huddle spaces and other AV installations.

### Supports Bi-directional POC (Power over Cable) Delivery

The CHE-HDBTWP121K includes 24V POC function support. Either the TX or RX can be powered by the included 24V/1A power adapter or Phoenix jac.

### Dual USB 2.0 Ports

The two high speed USB 2.0 ports allow you to connect two USB devices and use them simultaneously.

### Dedicated Analog Audio

The 3.5mm analog audio jack delivers audio independent from the HDMI signal for additional audio routing.

### A Must Have Device for Every AV Space

Ideal for use in court rooms, classrooms, conference rooms and anywhere audio-visual devices can be extended from a remotely located HDMI source device.

### Compatible with Promethean® Interactive Whiteboards

This USB extender supports and is fully compatible with the Promethean® Interactive Whiteboard.

### Quality You Can Count On

Since 1974, Comprehensive has been manufacturing the highest quality commercial grade solutions for AV and IT professionals. The CHE-HDBTWP121K 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

- Extends your 4K HDMI, Audio and USB 2.0 High Speed Signals over a single UTP cable up to 230ft
- HDMI 2.0, 18Gbps
- HDCP 2.2 & 1.4 Compliant
- One HDMI input supports resolutions up to 4K2K@50/60Hz (4:2:0), 4K2K@60Hz (4:4:4), 1080p@120Hz HDBaseT™ over a single CAT 6/6a/7 cable up to 230ft/70m distance to 1080p or 132/40m distance to 4K60.
- One USB 2.0 High Speed port up to 190 Mbps
- One 3.5mm Audio Port to independently transit analog audio signal from the Transmitter to the Receiver
- Supports HDR, CEC pass through
- 24V POC (Power Over Cable) function is supported, either TX or RX is powered by 24V1A power supply, the another does not need power supply from the DC jack.
- POC power consumption is less than 10W.
- Transfer Bidirectional RS-232 control signal together with the HDMI signal.
- 3 Year Warranty



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## Specifications

### Performance & Resolution

Audio Formats Supported:

LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

CEC: Yes

Color Bit Depth: 10-bit, 12-bit

Color Space: RGB/YCbCr 4:4:4, YCbCr 4:2:2

Data Speed (bandwidth): 18 Gbps

Distances Supported: Up to 230ft

HDCP Version: V 2.2

Resolution and Refresh Rate: 4K 4:2:0 @50/60Hz, 4K 4:4:4 @60Hz, 1080p@120Hz, and 1080p 3D@60Hz

Color Space: RGB/YCbCr 4:4:4

Color Depth: 8-bit, 10-bit, 12-bit

Signal Technology Versions: HDMI 2.0

### Connections

Transmitter:

HDMI 1.4b Type-A (female) x 1

USB 2.0 Type-B (female) x 1

3.5mm TRS Analog Audio Jack x 1

HDBaseT Out x 1

RS232 Phoenix Jack x 1

DC 24V Phoenix jack x 1 Receiver:

HDMI 1.4b Output (female) x1

USB 2.0 Type-A (female) x2

HDBaseT In x1

3.5mm TRS Analog Audio output x1

RS232 Phoenix jack x1

DC 24V power connector x 1

### Physical Characteristics

Color Wall Plate transmitter: White; Receiver Box: Black

Dimensions (W x H x D):

Transmitter: 4.0" x 1.8" x 1.2"

Receiver: 5.5" x 9.0" x 2.9"

Housing Material: Metal and Aluminum

Packaging: Brown box

### Environmental

Operating Temperature: 0C ~ +40C

Storage Temperature: 20C ~ +60C

### Power & Electrical

Input Voltage: AC100 - 240V 50/60Hz

Output Voltage: DC 24V/1A

P.O.C: Yes

Power Consumption (In Watts): 9 Watts

### Regulatory

Extenders (transmitter + receiver):

CE: Yes

Prop 65 Compliant: No

Rohs Compliant: Yes

AC Adapter:

CE: Yes

UL: Yes

### Weight (Shipping)

TX: .36lbs (163g)

RX: .44lbs (200g)

### What's In The Box

Single Gang HDMI/USB Wall Plate Extender (white) x 1

HDMI/USB Receiver box (black) x 1

Vinyl Decora plate with 2 screws x 1

3-pin Phoenix connector x 2

2-pin Phoenix connector x 1

Mounting ears with mounting screws DC 24V/1A Power Adapter x 1

USB 2.0 Type A male to Type B male cable 3 feet x 1

User Manual x 1

### Warranty

3 Years

### UPC

808447083675

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