



Pro AV/IT 1080p HDMI and USB 2.0 KVM Extender Kit up to 260ft

The Comprehensive CHE-HD80U is a low cost 1080p 60Hz HDMI KVM extender with high-speed USB2.0. The CHE-HD80U extends HDMI AV and USB over a single CATx cable up to 260ft/80 meters. The unit transmits lossless video making it perfect for many commercial applications. Additionally, it supports bidirectional PoC (Power over Cable) for powering at either the transmitter or the receiver with only one power adapter, making installations quick and effortless. Perfect for use in office, home and presentation settings to extend HD video and USB keyboard and mouse from a local zone to a remote PC or laptop.

Full 1080p @60Hz HD AV Distribution

The Comprehensive CHE-HD80U allows transmission of up to 1080p @60Hz HD resolutions. USB 2.0 data signals may also be transmitted along with the digital audio and video. The CHE-80U is ideal for point-to-point transmission up to 260ft/80 meters.

USB 2.0 Pass-Through Connectivity

The CHE-HD80U KVM Extender offers high-speed USB 2.0 pass-through connectivity, capable of not only KVM functionality for extension of a keyboard/mouse but also provides full data transfer capabilities up to 480Mbps for webcams, touch boards and other USB 1.1, 2.0 and 3.0 peripherals.

Simply Plug & Play

The CHE-HD80U KVM Extender is simple, plug and play and it's ready to go. No driver and setting installation required.

Bi-Directional PoC (Power over Cable) Functionality

The CHE-HD80U KVM Extender features bi-directional power over cable abilities, saving the installer time and headache from having to supply local power discreetly to both ends.

Quality You Can Count On

Since 1974, Comprehensive has been manufacturing the highest quality commercial grade solutions for AV and IT professionals. This product 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 full HD HDMI video up to 260ft/80 meters over a single Cat5e/6 cable, or above
- Transmit high speed USB2.0 with data rates up to 480Mbps for webcam, USB audio applications
- Input support HDMI 1.3 with HDCP 1.4 compliant
- Supports two-way PoC (power over cable), only one power adapter is needed.
- Auto EDID management
- Rock-solid metal construction, well anti mechanical impact
- Fan-less heating dissipation design, super quiet
- Durable metal enclosure
- Simple plug and play, no driver or setting installation required
- 3 Year Warranty



HDMI EXTENDER

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Applications

- Corporate workstation, education interactive teaching, medical workstation, government command center, data center operation.
- Home applications like connecting game console in living room, commercial applications like linking to NVR security system.
- Ideal for controlling a PC in an area where fan or hard drive noise is unacceptable such as a television broadcast studio.
- Great for hybrid work and working from home to extend a webcam used for a virtual meeting.
- Educational Environments: Can be used to extend a computer connection to a digital projector screen or to an in-class meeting camera system.
- Digital signage: HID (Human Interface Device) capable displays require a USB 2.0 connection to pass the touch and control data to the host PC. Also, connect mass storage devices from an easy to reach convenient location away from the host PC or Display.

Specifications

CHE-HD80U (Transmitter) Specifications

I/O Connections

- HDMI Input: HDMI Type-A [19-pin female] x1
- USB Host: USB Type-A [female] connector x1
- UTP Out: RJ45 connector [8-pin female] x1
- Power: 5.5 mm OD, 2.6 mm locking connector x1

Supported Audio, Video Formats

- HDMI input Signal Type: HDMI 1.3 with HDCP 1.4
- Input Video Resolution Supported: 1080P@60/50/30/25Hz; 720P@60/50Hz; 480P@60Hz
- Maximum Data Rate: 2.97 Gbps
- Maximum Pixel Clock: 135 MHz
- Transmission distance: Cat 5e/6 or above: 1080P up to 260ft/80 meters
- Support audio format: Fully supports audio formats in HDMI 1.3 specification

Power & Regulatory

- Power Input: 12V DC 2A
- Power Consumption: 3.6W (Max)
- ESD Protection: Human-body Model: ±8kV(Air-gap discharge)/±4kV(Contact discharge)
- Regulatory: FCC, CE, RoHS Compliant
- Prop 65 Compliant: No

Chassis and Environmental

- Construction: Metal (Black)
- Dimensions (W x H x D): 98 mm x 75 mm x 23 mm
- Operating Temperature: 0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing
- Operating Humidity: 10% to 90%, non-condensing
- Storage Temperature: -20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing
- Product Weight: 225g/.5lbs

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Specifications

CHE-HD80U (Receiver) Specifications

I/O Connections

- HDMI Output: HDMI Type-A [19-pin female] x1
- USB Device Ports: USB Type-A [female] connector x2
- UTP In: RJ45 connector [8-pin female] x1
- Power: 5.5 mm OD, 2.6 mm locking connector x1

Supported Audio, Video Formats

- HDMI input Signal Type: HDMI 1.3 with HDCP 1.4
- Input Video Resolution Supported: 1080P@60/50/30/25Hz; 720P@60/50Hz; 480P@60Hz
- Maximum Data Rate: 2.97 Gbps
- Maximum Pixel Clock: 135 MHz
- Transmission distance: Cat 5e/6 or above: 1080P up to 260ft/80 meters
- Support audio format: Fully supports audio formats in HDMI 1.3 specification

Power & Regulatory

- Power Input: 12V DC 2A
- Power Consumption: 3.48W (Max)
- ESD Protection: Human-body Model: ±8kV(Air-gap discharge)/±4kV(Contact discharge)
- Regulatory: FCC, CE, RoHS Compliant
- Prop 65 Compliant: No

Chassis and Environmental

- Construction: Metal (Black)
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Package Contents

- CHE-HD80U x1
- Installation Guide x1
- Power Supply 12V 2A x1
- Mounting Ear x4

Other

- UPC: 808447082647
- Product Part Number : CHE-HD80U
- Warranty: 3 years

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