The Atlona **AT-OME-EX-KIT** is an HDBaseT extender for video up to 4K/60 4:2:0, plus embedded audio, control, Ethernet, and USB over distances up to 330 feet (100 meters). Part of the Omega™ Series of integration products for modern AV communications and collaboration, the OME-EX-KIT is HDCP 2.2 compliant and extends IR, RS-232, and IP control signals. The integrated USB extension addresses the challenge of connecting between USB devices at remote locations, and is ideal for software video conferencing and touch or interactive displays. The OME-EX-TX transmitter includes a USB 2.0 host interface for a PC, plus two peripheral devices such as a speakerphone, microphone, or keyboard and mouse. The OME-EX-RX receiver provides two USB interfaces for devices such as a camera, soundbar, or display. The transmitter and receiver are available separately, for use with other Omega Series integration products.

The OME-EX-KIT incorporates many popular integration convenience features, while delivering excellent performance and value for 4K presentation and video conferencing applications. The receiver remotely powers the transmitter through Power over Ethernet (PoE). The Ethernet ports on the transmitter and receiver are for IP pass-through.

USB Extension for Video Conferencing with Zoom, Skype for Business, Microsoft Teams, and More

The OME-EX-KIT features integrated USB extension over HDBaseT up to 330 feet (100 meters). This capability, plus interfacing for host PCs and USB peripherals makes the OME-EX-KIT ideal for video conferencing and UC (unified communications) platforms such as Zoom, Skype® for Business, Microsoft® Teams®, Cisco® Webex®, BlueJeans, and GoToMeeting®. Available from Atlona is the AT-HDVS-CAM PTZ camera with USB interface.

Applications

- **Video conferencing** – The OME-EX-KIT is ideal for soft codec and web-based conferencing applications, with the ability to integrate with a PC and speakerphone or microphone at a meeting table, and a camera or soundbar at the wall-mounted display.
- **Interactive displays** – The OME-EX-KIT can also provide AV and USB extension for a touch-enabled display, allowing remote PC control at a meeting table or other location.

Product compatibility

The OME-EX-KIT is not compatible with the Atlona HDVS-300 system for USB extension.

Technical Features

Video, audio, power, and data over category cable utilizing HDBaseT technology

- Extends up to 330 feet (100 meters) @ 1080p with CAT5e/6 or 4K/UHD using CAT6a/7 cable
- Uses easy-to-integrate category cable for low-cost, reliable system installation

USB 2.0 interfacing and extension* up to 330 feet (100 meters)

- Transmitter features USB type B interface for connection to a host PC, plus two USB type A ports for peripheral devices such as a microphone or speakerphone
- Receiver features two USB type A ports for peripheral devices such as a camera or display
- Provides an ideal USB integration solution for software video conferencing and other applications
- ** Maximum 120 Mbps data rate supported over HDBaseT.*

4K/UHD capability @ 60 Hz with 4:2:0 chroma subsampling

- Compatible with sources up to 4K/60 4:2:0 and 4K/30 4:4:4
- Supports HDMI data rates up to 10 Gbps from PCs, media players, and Ultra HD Blu-ray players

HDCP 2.2 compliant

- Adheres to latest specification for High-bandwidth Digital Content Protection
- Allows protected content stream to pass between authenticated devices

Transmitter powered by receiver via PoE (Power over Ethernet)

- Industry standard IEEE 802.3af PoE for transmitter is supplied by receiver over HDBaseT
- Allows convenient transmitter installation at a table or other remote location, without the need for local AC power

Multi-channel audio compliant

- Passes through multi-channel audio formats
- Supports PCM, Dolby® Digital, Dolby Digital Plus™, Dolby TrueHD, Dolby Atmos®, DTS® Digital Surround™, DTS-HD Master Audio™, and DTS:X®

HDBaseT link status testing

- Free software utility available for testing integrity of the HDBaseT cable link between the transmitter and the receiver
- Provides real-time link status, plus detailed HDBaseT and HDMI signal information
- Quick, easy verification or troubleshooting of RJ-45 termination or twisted pair cable quality

Field-updatable firmware

- Device can be updated in the field via the USB port

Front panel power and signal status LEDs

- LED indicators provide power and HDBaseT link status information
- Provides convenient setup and troubleshooting

Low-profile, 1.02 inch (26 mm) high enclosures

- Easy installation into confined spaces below tables, in furniture, and behind or above displays

Included accessories

- Installation guide, surface mounting hardware, and external universal power supply

Award-winning 10 year limited product warranty

- Ensures long-term product reliability and performance in commercial and residential systems
- Specify, purchase, and install with confidence