

HDMI KVM Extender Over IP Network, 4K 60Hz, Driverless, HDMI and USB Over Ethernet/CAT6, AVoIP, Transmitter and Receiver Kit, Includes Mounting Kits

Product ID: IH2006-KVM-EXTENDER



The AVoIP KVM Extender enables remote computer access over a TCP/IP network with a keyboard, mouse, and 4K 60Hz HDMI monitor, keeping systems secure from unauthorized access and physical damage.

The plug-and-play design requires no drivers or software and is compatible with all major operating systems, including Windows, macOS, and Linux, as well as hardware platforms like Intel, AMD, Snapdragon/ARM, and Apple Silicon.

Designed to grow with your business, the KVM extender supports both one-to-one and one-to-many configurations by adding IP KVM receivers (sold separately), ensuring a flexible and future-ready solution.

Each unit features a durable metal housing with mounting kits for wall or under-desk installation, plus rubber feet for desktop stability. A local HDMI output on the transmitter allows direct connection to a nearby display, while RS232 and 3.5mm audio passthrough ports enable serial and audio extension.

Certifications, Reports and Compatibility



Applications

- Reduce the need for physical access to a computer or server, improving security and efficiency
- Enables secure, high-performance connections between workstations and studio equipment
- Allows operators to manage critical systems from a safe or more convenient location

Features

- **AVoIP KVM EXTENDER:** Remotely access and control a computer over a TCP/IP network using a keyboard, mouse, and 4K 60Hz HDMI monitor, while keeping the system secure from unauthorized access or physical damage
- **NO DRIVERS OR SOFTWARE:** IP Video Distribution kit requires no configuration to get it working; Compatible with any operating system including Windows, macOS and Linux, as well as all hardware platforms such as Intel, AMD, Snapdragon/ARM and Apple Silicon
- **SCALABLE SETUP:** Start with a point-to-point setup, then expand to a one-to-many setup by adding IP KVM receivers (sold separately), allowing your setup to grow with your business needs and ensuring a scalable, future-proof solution
- **LOCAL HDMI OUTPUT:** IP KVM Transmitter features an HDMI output to connect a local display, allowing you to view the content without being at the receiver's location; Three-wire RS232 port and a 3.5mm audio passthrough port offer serial and audio extension
- **SECURE & FLEXIBLE INSTALLATION:** Durable metal housing with included mounting kits for wall or under-desk installation; Rubber feet prevent slipping for desktop use; Ideal for industrial and professional environments

Hardware

Warranty	2 Years
Audio	Yes
KVM Ports	1
PC Interface	USB
PC Video Type	HDMI
Rack-Mountable	No
Cables Included	No

Performance

On-Screen Display	No
Video Revision	HDMI 2.0
IP Control	Yes
Hot-Key Selection	No

Maximum Digital Resolutions	3840 x 2160 @ 60Hz
Audio Specifications	HDMI - 2 Channel Audio
Port Selection Support	Not Applicable
MTBF	10,000 Hours

Connector(s)

Console Interface(s)	2 - USB 2.0 Type-A 1 - Terminal Block (3 Wire) 1 - 3.5mm Stereo Female 3 pos 2 - RJ-45 2 - HDMI
Host Connectors	1 - Terminal Block (3 Wire) 1 - USB 2.0 Type-C 1 - HDMI 1 - 3.5mm Stereo Female 3 pos
Other Interface(s)	2 - USB Micro-B (5 pin)

Software

OS Compatibility	No Drivers or Software Required
------------------	---------------------------------

Special Notes / Requirements

Note	- End-to-end latency: 80-90ms - Your router must support IGMP snooping and 9K jumbo frames. Please refer to your network switch or router documentation to ensure that IGMP snooping is supported and enabled. - Each transmitter requires its own dedicated network for itself and all connected receivers; VLANs are insufficient.
------	--

Indicators

LED Indicators	2 - Power LED: Solid Blue: Indicates the unit is receiving Power
----------------	---

2 - Sync LED:

Off: Transmitter and Receiver have no established a connection

Slow Orange Flash: Transmitter and Receiver are connected via Gigabit Ethernet but no Video is transmitting

Quick Orange Flash: Transmitter and Receiver are connected via 100Mbps Ethernet but no Video is transmitting

Solid Orange: Video is transmitting

2 - KVM LED:

Flashing: KVM data is transmitting

Solid: Computer and USB Port are connected

Power

Power Source	2 AC Adapters Included
Input Voltage	100 - 240 AC
Input Current	0.3A
Output Voltage	5 DC
Output Current	2A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	10W

Environmental

Operating Temperature	-20C to 60C (-4F to 140F)
Storage Temperature	-30C to 70C (-22F to 158F)
Humidity	0% ~ 90% RH (non-condensing)

Physical Characteristics

Color	Black
Material	Steel
Product Length	4.2 in [106 mm]

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Interface Modules](#) category:

Click to view products by [Startech](#) manufacturer:

Other Similar products are found below :

[9441560000](#) [73-546-001](#) [ADAM-4541-C](#) [USB-CARD-READER](#) [USB-RS485](#) [USB-SATA](#) [TD501D232H](#) [RSM232D](#) [TD502D232H](#) [RS232](#)
[TO RS485](#) [TD302D232H](#) [TD501D232H](#) [RSM232](#) [RSM232D](#) [TD301D232H](#) [TD302D232H](#) [TD502D232H](#) [SAVAK-58](#) [SAVKABELCL-24](#)
[20270](#) [20294](#) [30255](#) [50260](#) [20295](#) [20277](#) [50261](#) [EUR0001H](#) [ZHB2301G](#) [30346](#) [KS-308A](#) [KS-302A](#) [KS-304A](#) [KS-1041UA](#) [KS-1021UA](#)
[CEHBB](#) [66255](#) [50985](#) [4000-68512-0940003](#) [GPS50M](#) [2200002208](#) [4000-68112-1220000](#) [44110](#) [4000-68000-1300000](#) [4000-68512-4040001](#)
[446139](#) [60004-006](#) [2200002207](#) [1020882](#) [1021056](#) [1021058](#)