4K HDMI 2.0 KVM Optical Transceiver

Model: LNK-109KVM

User Manual V1.0



FEATURES

- Supports HDMI Video up to 4Kx2K@60 Resolution
- HDMI 2.0 with HDCP Support
- DDC CEC HPD Signal Support
- No Settings or Adjustments Necessary, Automatically Recognizes HDCP, EDID & CEC
- Supports up to 300m Transmission Distance with OM4 multimode fiber
- Standard HDMI Connector
- Supports USB Mouse and Keyboard
- Hot-Pluggable
- EMI/RFI Resistant
- 850nm VCSEL and PIN Photodetector
- Uses Small, Reliable LC Optical Connector
- Operating Case Temperature: 0~50°C

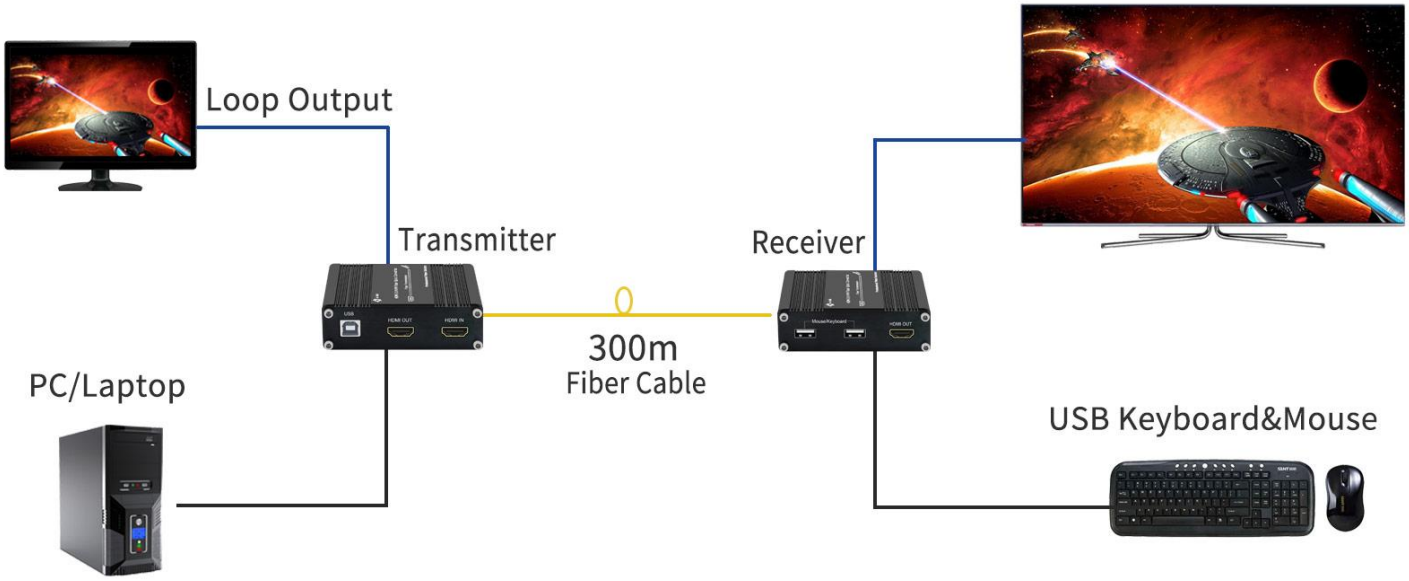
DESCRIPTION

The E-link LNK-109KVM HDMI optical transmitter and receiver are designed to send 1 channel of 2.0 compliant HDMI Video with embedded audio over Single optical fibers. HDCP is automatically supported for the transmission of content-protected video.
The 4K HDMI optical transceiver supports transmission of an uncompressed lossless HDMI 2.0 signal over multimode optical fiber at 850nm, for distances up to 300 meters, at a resolution of 4Kx2K.
Transmitter converts an HDMI and USB signal to a single 18Gb/s serial data stream for transmission over optical fibers.
Receiver converts the serial data back to an HDMI signal.
This product is ideal for large-screen displays, conferencing systems and home entertainment.
This fiber link meets all of the standards of interference immunity, to ensure the stability of the signal.
The transceivers are RoHS compliant and lead-free. These small modules utilize one multimode fiber with a standard locking LC optical connector.

Resolution

Chroma Subsampling	4K Resolution	1080P Resolution
4:4:4	4K@60Hz	1080P@120Hz
4:2:2	4K@60Hz	1080P@120Hz
4:2:0	4K@60Hz	1080P@120Hz

LNK-109KVM System Connections



CONNECTING AND OPERATING LNK-109KVM

1. Connect HDMI port of Transmitter to the video source device, USB port connect to PC's USB interface.
2. Connect HDMI port of Receiver to the HDTV (HD monitor), connect USB keyboard&mouse to the USB port on Receiver.
3. Connect the Transmitter and Receive through LC-LC Fiber Optic Cable (OM4).
4. Connect power to the 5V DC port of Transmitter and Receive.
5. Check LED Indicator and image on Display Screen.

LED Indicator

LINK	Fiber Link Indicator
FIBER	Power Indicator

Package Includes

- LNK-109KVM-T- (Transmitter, To Video Source)
- LNK-109KVM-R - (Receiver, To TV/Display)
- USB cable x 1pcs
- User's Manual

Please verify all items are included in the box. If anything is missing, please contact the vendor.

Note:

1. Please use OM3/4 Fiber for the device and the Connector is Simplex LC.
2. The Max distance is 300 meters, it maybe shorter according to optical attenuation.
3. The Transmitter connect to PC/Laptop etc, the receiver connect to TV, Projecor etc
4. Power adapter is not included. You can use 5V universal usb power supply or the USB port of PC.
5. The USB port only for USB keyboard&mouse, not support USB disk, Dongle, USB hub etc.
6. If any problems, please contact our Service & Support team.