Mini 4K/60Hz HDMI 2.0 KVM USB over Fiber Optic Extender

Features

- Transmits 4K HDMI2.0 video signals up to 300 meters over OM4 MMF
- Support keyboard and mouse signal transmission
- Uncompressed HDMI 2.0 video transmission up to 4K@60Hz 4:4:4
- Transmitter support local loop output
- Local module connectors: HDMI input, USB input (type B-female) for keyboard / mouse, fiber optic connector (LC-female), and 5 VDC power connector (DC-jack-female)
- Remote module connectors: HDMI output for remote display, 2 USB outputs (keyboard / mouse), fiber optic connector (LC-female), and 5 VDC power connector (DC-jack-female)
- Simple to install, plug and play

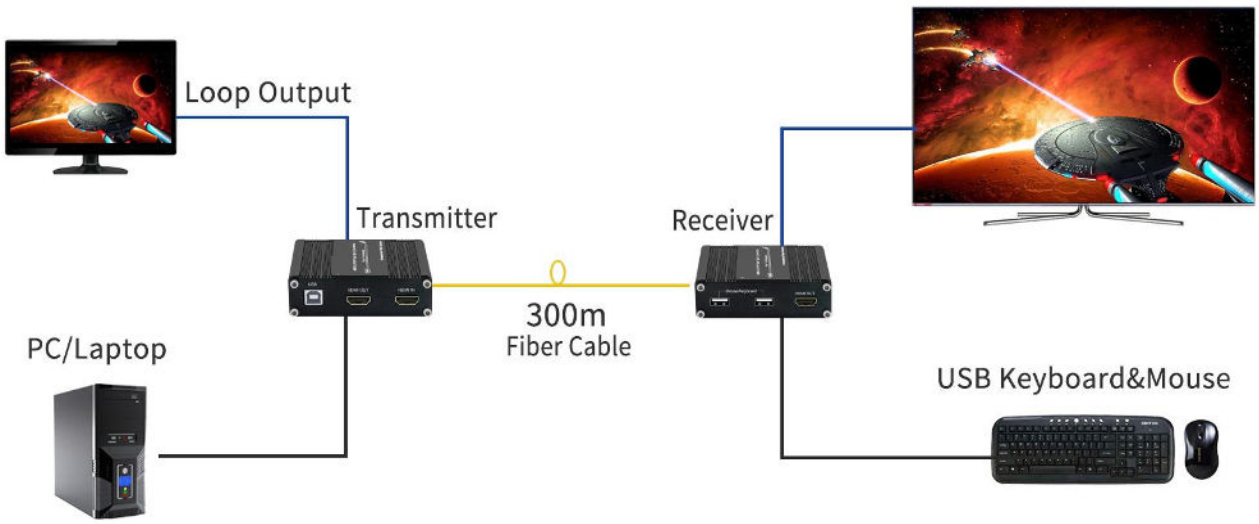


Overview

LNK-109KVM Mini 4K/60Hz HDMI 2.0 KVM USB over Fiber Optic Extender, consists of a Transmitter and a Receiver unit that allows you to extend HDMI 2.0 and USB HID signals up to 300 meters (984 feet) over LC OM4 MM Fiber Optic Cabling. The HDMI KVM extender delivers up to 4K 60Hz UHD picture quality to your remote display with support for 4:4:4 chroma sampling.

The Transmitter uses a distribution chip to make one HDMI input become two outputs, one output uses Wavelength-division multiplexing technology to convert four high-speed differential signals into optical fiber output through the photoelectric conversion engine, and the other output is local output. The Receiver restores the signal input from the optical fiber to HDMI output.

Application



Technical Indexes

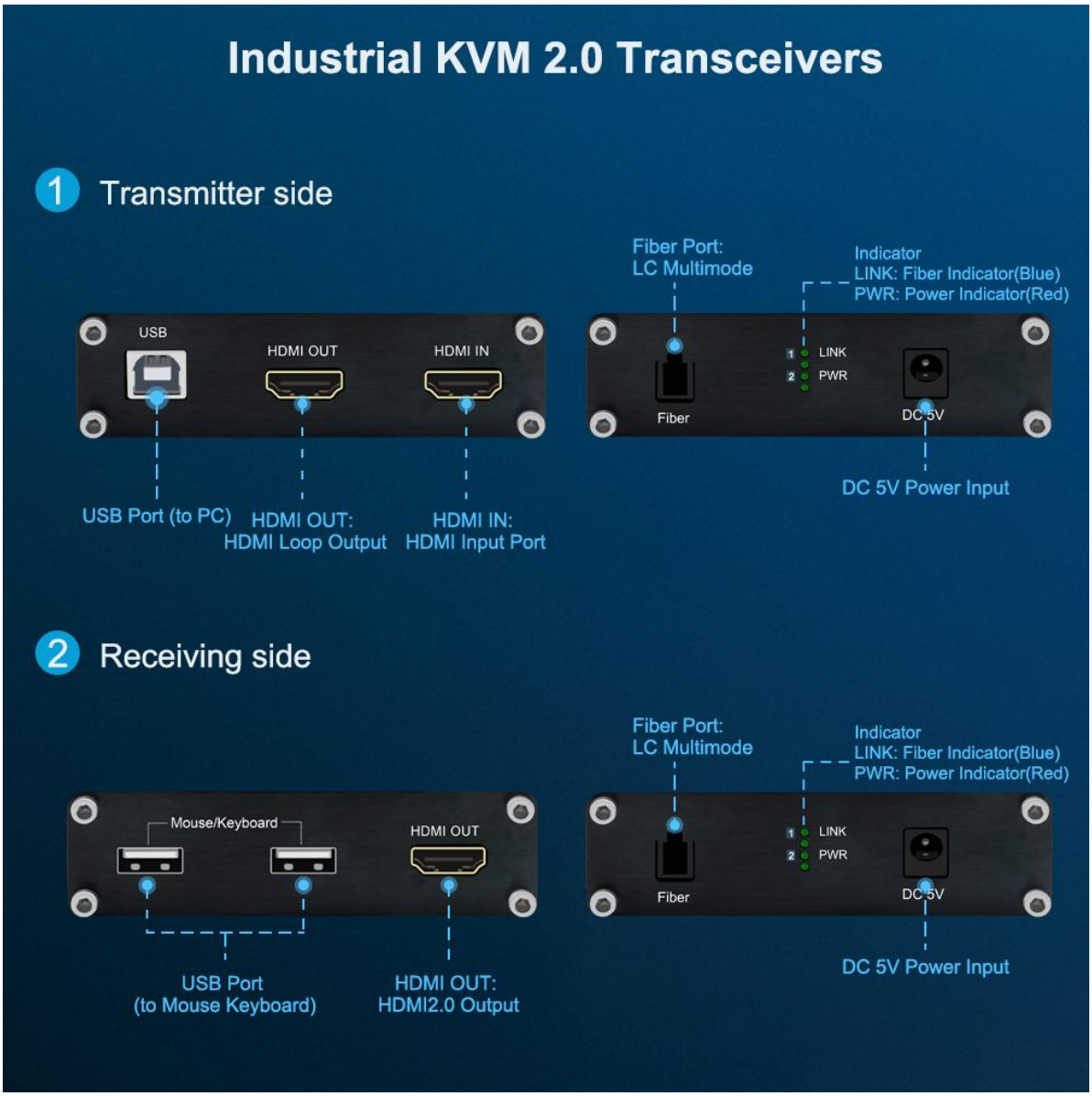
Parameter		Description
Video	Standards	HDMI 2.0 and HDCP 2.2
	Maximum pixel clock	600MHz
	Data speed	18Gbps（6 Gbps/CH)
	Resolution range	4K@60Hz/4K@30Hz/1080p/720p
	Connector	Female HDMI type A
	Impedance	100Ω
K/M	Interface	PC: MINI-USB Keyboard And Mouse: USB-A
Optical fiber	Interface	LC connector
	Fiber type	OM4 Multimode
	Wavelength	850nm
	Interface bandwidth	18Gbps
	Transmission distance	OM4 Multimode fiber: 300M
Other	Power supply	The power adapter: DC 5V
	Power dissipation	TX: < 1.5W; RX: < 1W
	Temperature	Operating: 0℃ ~ +55℃
	Humidity	Operating: 5% ~ 90%
	Dimension (LxWxH)	93 x 70 x 28(mm)
	Gross weight	0.25KG
	The warranty	1-year free warranty

Note: This product supports EDID transparent transmission

Ordering Information

Model	Description
ZP-109KVM	Uncompressed Mini 4K HDMI 2.0 KVM USB over Fiber Optic Extender, OM3/4 Multimode Fiber, LC, 300 meters

Panel


Industrial KVM 2.0 Transceivers
1 Transmitter side
USB
HDMI OUT
HDMI IN
Fiber Port:
LC Multimode
Indicator
LINK: Fiber Indicator(Blue)
PWR: Power Indicator(Red)
LINK
PWR
Fiber
DC 5V
DC 5V Power Input
USB Port (to PC)
HDMI OUT:
HDMI Loop Output
HDMI IN:
HDMI Input Port
2 Receiving side
Mouse/Keyboard
HDMI OUT
Fiber Port:
LC Multimode
Indicator
LINK: Fiber Indicator(Blue)
PWR: Power Indicator(Red)
LINK
PWR
Fiber
DC 5V
DC 5V Power Input
USB Port
(to Mouse Keyboard)
HDMI OUT:
HDMI2.0 Output