

HDMI 4K 60HZ OVER FIBER EXTENDER - 7898

Submit a HDMI to HDMI signal (with a fiber optic cable) through a waveguide into the shielded room



HDMI 4K 60Hz Over Fiber 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 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.

The set consists of two shielded fiber-optic converters, a waveguide passage (copper waveguide part number 7850-22) and 5 meters of fiber-optic cable.

FEATURES

- Transmits 4K HDMI 2.0 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

TECHNICAL SPECIFICATIONS

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

Note: This product supports EDID transparent transmission