

HDMI over Fiber Extender

ITEM NO.: HE01F-4K6G 4K HDMI & USB/IR/RS232 Fiber Extender



HE01F-4K6G is an Optical HDMI Extender that overcomes the length restriction of standard HDMI cables by using optical fiber to send high definition audio and video signals over large distances.

It also built in USB for KVM keyboard mouse for HDMI KVM solution. It is also built in RS232/IR selection to extend the IR remote control and transfer RS-232 (up to 115kbps) in both directions, allows you to connect serial devices such as touch screens and barcode scanners.

HE01F-4K6G 4K HDMI USB KVM with IR/RS232/USB Fiber Extender

- Support 4K@60hz (18Gbps) 4:4:4 8bits, HDR.
- Support HDMI 2.0/HDCP 2.2.
- Use external SFP+ 10 Giga module for different distance (Order optional)
- IR/RS232/USB function selection.
- Support USB keyboard mouse.
- Support Bi-directional IR pass through from 20Khz to 60Khz.
- Support Bi-directional RS232.

Installation:



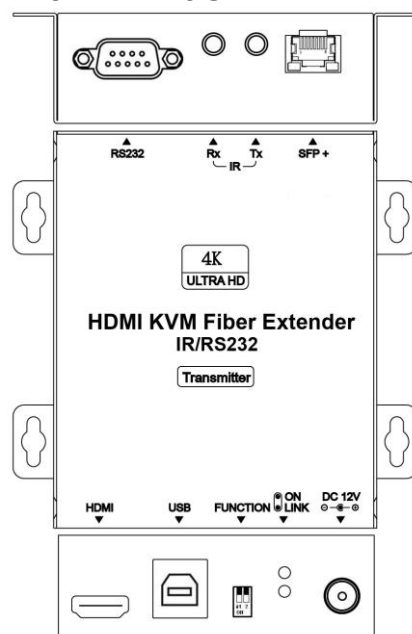
Working Distance:

Based on SFP+ 10G fiber optical module from multi-mode 300M up too single-mode 60KM (Max.)

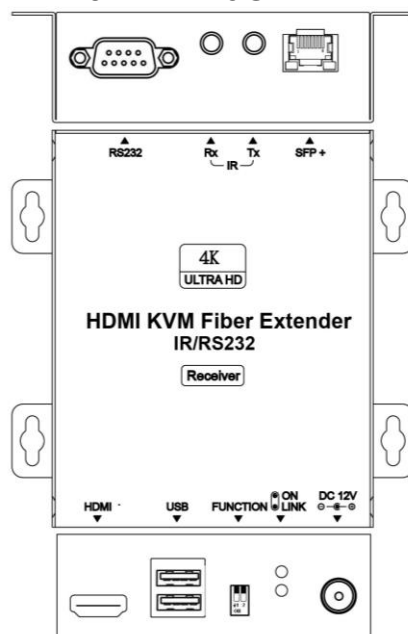
The working distance also influence on different fiber optical cable and optical connectors.

Panel View:

HE01FT-4K6G



HE01FR-4K6G



LED Indication:

LED Color	HE01FT-4K6G	HE01FR-4K6G
GREEN	Power on/off	
BLUE	Fiber Link/Unlink	

Dip Switch Function:

SWITCH		FUNCTION				
SW1	ON	IR Extender Function	OFF	RS232 Extender Function	ON	USB Keyboard Mouse Extender Function
SW2	OFF		ON		ON	

RS232 Define:**DB9(F)**

RS232	
Pin	Define
Pin 2	TX
Pin 3	RX
Pin 5	GND

DB9(M)

RS232	
Pin	Define
Pin 2	RX
Pin 3	TX
Pin 5	GND

Caution:

1. Under HDMI 2.0 mode, recommend to use "PREMIUM certified" HDMI cable.
2. IR Emitter/Receiver cable do not put too close to avoid mutually interference.
3. This Device not support CEC
4. The transmission distance based on 10G Fiber module 300M-60KM.

Package Include:

- HE01FT-4K6G Transmitter x 1
- HE01FR-4K6G Receiver x 1
- DC 5V 2Amp power adapter x 2
- IR Emitter cable x 1
- IR Receiver cable x 1

Specification:

ITEM NO	HE01FT-4K6G	HE01FR-4K6G
HDMI Input /Output	HDMI Type A x 1	HDMI Type A x 1
HDMI Resolution	4K@60Hz 4:4:4 18Gbps (6Gbps per color) 、 1080p@60Hz 16bit 、 3D 、 HDR 、 Dolby vision	
HDMI Audio	LPCM 7.1 @ 192KHz 、 Dolby TrueHD 、 DTS-HD MA 、 ATMOS 、 DTS:X	
Link Interface	SFP 10G+	
Transmission Distance	Multimode 300 SingleMode 60Km (Max)	
RS-232 Interface	DB9(Female)	DB9(Male)
RS-232 Data Rate	115200 bps / Full Duplex	
IR Input /Output	3.5mm Phone Jack x 2	
IR Frequency carrier/receive angle/receive distance	30~60KHz / T : $\pm 10^\circ$ / R : $\pm 55^\circ$ / 5M /Bi-Directional	
Keyboard / Mouse	USB Type B x 1	USB Type A x 2
Power Consumption	Max 5 W	Max 5 W
Power Supply	DC 5V 2A	
Temperature	Operation : -10~45℃, Storage : -30~70℃, 95% Humidity: up to 95%	
Dimension (mm)	109.6 x 114.5 x 30	109.6 x 114.5 x 30
Weight (g)	270	270