



HDMI over Fiber Optic Extender

User Manual

Model : HE01F-4K6G

4K60Hz HDMI & USB/IR/RS232 KVM Fiber Optic Extender



Introduction

HE01F-4K6G is an HDMI extender that overcomes the length restriction of a standard HDMI cable using fiber optic cable. The extender can send uncompressed HDMI with USB, RS232 or bi-directional IR signal for up to 60KM.

Features

- Resolution up to 4K@60Hz 4:4:4.
- Signal extension up to 60KM over fiber optic cable.
- Supports bi-directional IR, RS232, USB transmission (Send one at a time).

Installation View

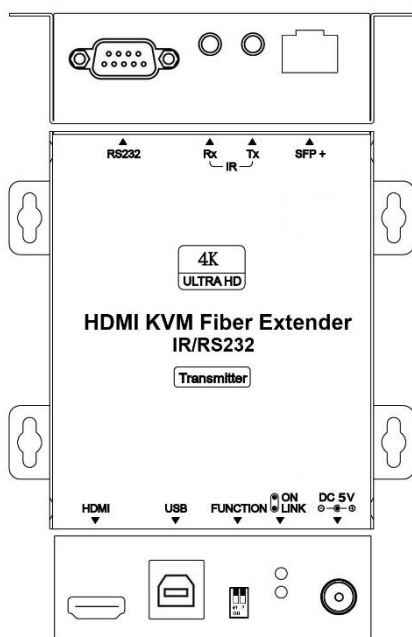


Working Distance

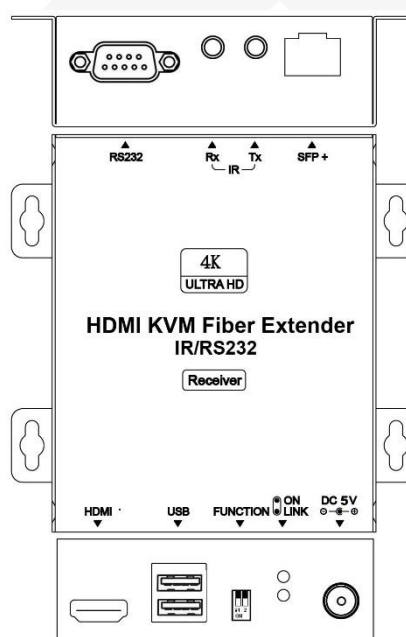
Based on SFP+ 10G fiber optical module from multi-mode 300M up too single-mode 60KM (Max.)
The working distance also influence on different fiber optical cable and optical connectors.

Panel View

HE01FT-4K6G



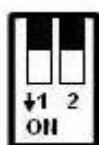
HE01FR-4K6G



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	OFF	RS232 Extender	ON	USB Keyboard Mouse
SW2	OFF	Function	ON	Function	ON	Extender Function

SWITCH position 1 and 2 must be as above instruction:

IR: SW1 ON (down position) + SW2 OFF (up position)
 RS232: SW1 OFF (up position) + SW2 ON (down position)
 USB: SW1 ON (down position) + SW2 ON (down position)

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
Support		
Compliance	HDMI 2.0, HDCP 2.2, 3D, HDR	
Max. Video Resolution	4K@60Hz 4:4:4 18Gbps	
Max. Transmission Distance	60KM over Signal-mode, 300M over Multi-mode	
Audio Format	LPCM 7.1@192KHz, Dolby TrueHD, DTS-HD MA, ATMOS, DTS:X	
RS232 Baud Rate	115200 bps/ Full Duplex	
IR Support	30~60KHz, ±10°, 5M, Bi-Directional	30~60KHz, ±55°/ 5M /Bi-Directional
Ports & Interfaces		
Video Input	1 x HDMI Type A	1 x SFP 10G+
Video Output	1 x SFP 10G+	1 x HDMI Type A
RS232 Interface	1 x DB9(Female)	1 x DB9(Male)
IR Interface	1 x 3.5mm Phone Jack	1 x 3.5mm Phone Jack
USB Interface	1 x USB Type B	2 x USB Type A
Power		
Power Supply	DC 5V 2A	DC 5V 2A
Power Consumption	5W (Max)	5W (Max)
Ambient Temperature		
Operation	-10 to 45°C	
Storage	-30 to 70°C	
Humidity	up to 95%	
Physical Characteristics		
Dimensions	109.6 x 114.5 x 30mm	109.6 x 114.5 x 30mm
Weight	270g	270g

