

LM-THF123HKM

HDMI KVM Fiber Optic Extender

User Manual



1. Description

LINK-MI LM-THF123HKM The HDMI Fiber optic extender provides extension of HDMI and 3D signals long distances over one fiber optic cable, it supports high resolution up to 4K*2K, EDID copy/pass -thru function. The extender can use for a wide range of applications requiring long distance transmission of

high resolution with high quality by its good stability and powerful security.

2.Features

- Transmits HDMI video signals up to 2km-10km over a pair fiber optic cable; Standard configuration: 2 km
- Support video resolution up to 3860*2160@30Hz, 3D signal;
- Support copy EDID copy/pass -thru, can match many kind display device;
- Support USB keyboard and mouse signal transmission;
- Compliance with HMDI 1.4 standard;
- High compatibility, can auto-match source and display device;
- Built-in automatic adjustment system, make the image smooth, clear and stable;
- Built-in ESD protection system;
- Simple to install, plug and play;

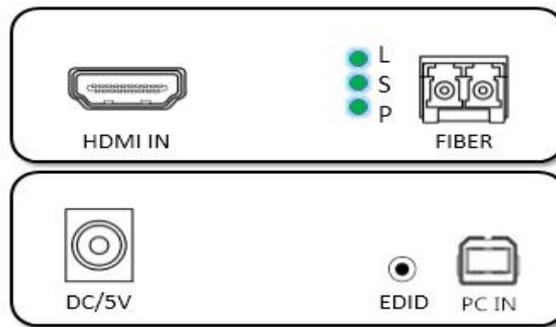
3.Specifications

	Parameter	Description
Video	Standards	HDMI 1.4
	Maximum pixel clock	225MHz
	Maximum data rate	6.75Gbps
	Resolution range	Up to 3840*2160@30Hz
	Connector	Female HDMI type A
	Impedance	100Ω
Optical fiber	Interface	SFP model – LC connector
	Fiber type	Single-mode
	Wavelength	Single-mode 1310nm
	Interface	10Gbps

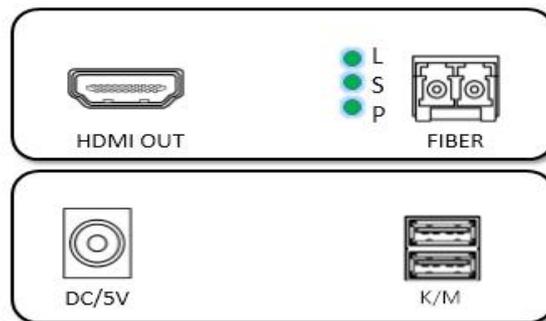
	bandwidth	
	Transmission distance	Single-mode fiber: standard 2km ; maximum 10KM (custom)
KVM	Interface	To PC: standard type B USB connector To K/M: standard USB
Other	Power supply	The power adapter: DC 5V/2A
	Power dissipation	MAX 5W
	Temperature	Operating: -5°C ~ +70°C
	Humidity	Operating: 5% ~ 90%
	Dimension	94.5*73*26mm
	The warranty	1 year free warranty

4.Panel

Transmitter:



Receiver:



Port name	Description
HDMI IN/OUT	HDMI signal input/output
EDID	EDID Copy button, Press 3 seconds, copy EDID from HDMI IN display device to system .If HDMI IN interface no display connect, restore default EDID.
K/M	1. Transmitter connect to PC 2. Receiver connect to keyboard and mouse
DC/5V	Power adapter socket
FIBER	SFP model --- LC connector
LED indicator	Description
L	Optical fiber signal connection indicator
S	Video signal connection indicator
P	System power indicator

5.Package list

- HDMI optical fiber transmitter 1 pcs
- HDMI optical fiber receiver 1 pcs
- Fiber optic module2 pcs

- Power adapter2 pcs
- User manual 1 pcs

6.Installation

1. Connect the provided DC power supplies to the power socket of the transmitter and the receiver,
2. Connect an HDMI cable between the HDMI input port of transmitter and the HDMI output port of the video source,
3. Connect the HDMI output port of receiver to the display device with HDMI cable,
4. Connect the transmitter optical port to the receiver optical port using one fiber optic cable.

7.Diagram

