

HDMI FHD Digital KVM Extender over Fiber/Cat5 (KFH162S)



Overview

The KFH162S HDMI digital KVM extender delivers FHD HDMI video, USB2.0, keyboard, mouse and stereo audio signals up to a remote desk over fiber optic cable or Cat5 cable.

A complete set of KFH162S including Transmitter (KFH162S-TX) and Receiver (KFH162S-RX). The Transmitter is connected to a computer or server, and the receiver is connected to a display, keyboard, mouse, audio player and other USB devices.

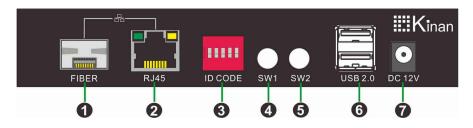
The KFH162S supports signal transmission over fiber optic cable or Cat5 cable, it supports single-mode and multi-mode optical fiber, the maximum transmission distance of single mode is 10km, for multimode the transmission distance is up to 300m. If you connect the KFH162S-TX and KFH162S-RX with a Cat5 cable, the transmitting distance is up to 150m. It supports the transmission of 1 channel high-quality HDMI signals and has a wide range of applications.

*Note: The bandwidth of the optical module must reach 10Gbit/sec.

Product Features

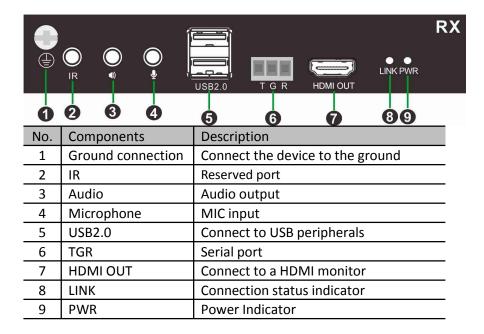
- FHD HDMI video transmission, resolution is up to 3840x2160@30Hz
- Supports 1000M LAN port
- Supports optical fiber transmission
- When using CAT5E cable for direct connection, the transmitting distance can reach 150m
- Supports USB 2.0 Supports a wide range of USB peripherals, such as encrypted U disk, face recognition and other USB devices, connect via the built-in 4 USB hub
- Bidirectional Analog Audio: line in/out with microphone and headphone support
- Supports 1-channel asynchronous serial transmission
- Supports connect to a switch (1000M)
- Supports point-to-point dial-up connection

KFH162S_RX front panel

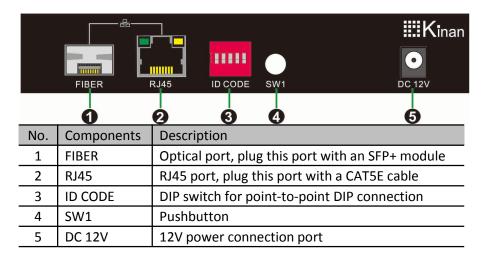


No.	Components	Description
1	FIBER	Optical port, plug this port with an SFP+ module
2	RJ45	RJ45 port, plug this port with a CAT5E cable
3	ID CODE	DIP switch for point-to-point DIP connection
4	SW1	Pushbutton 1
5	SW2	Pushbutton 2
6	USB2.0	Connect to USB peripherals
7	DC 12V	12V power connection port

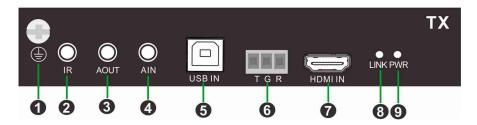
KFH162S_RX rear panel



KFH162S_TX front panel

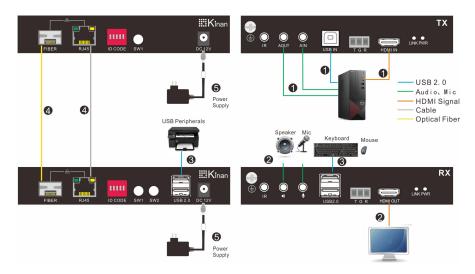


KFH162S_TX rear panel



No.	Components	Description	
1	Ground connection	Connect the device to the ground	
2	IR	Reserved port	
3	AOUT	MIC out	
4	AIN	Audio in	
5	USB IN	USB2.0 in	
6	TGR	Serial port	
7	HDMI IN	HDMI video input	
8	LINK	Connection status indicator	
9	PWR	Power Indicator	

Connection Diagram



- 1. Connect the KFH162S_TX to the HDMI video port, USB port and audio port of a computer. (See ① in the above diagram)
- Connect the KFH162S_RX to keyboard, mouse, monitor and audio device. (See ② in the above diagram)
- Connect the USB peripherals to the KFH162S_RX. (See 3) in the above diagram)
- 4. Connect the transmitter and receiver interfaces via optical fiber or CAT5E cable. (See 4) in the above diagram)
- 5. Power on the transmitter and receiver. (See ⑤ in the above diagram)

Specifications

Model		KFH162S_TX	KFH162S_RX
	HDMI in	1	NA
	HDMI out	NA	1
	Power	12V	12V
	SFP	SFP x 1	SFP x 1
Interfaces	Microphone	3.5mm Stereo Jack (Pink)	3.5mm Stereo Jack (Pink)
	Speaker	3.5mm Stereo Jack (Green)	3.5mm Stereo Jack (Green)
	LAN	RJ45	RJ45
	USB Type B	1	N/A
	USB 2.0	N/A	USB x 4
Resolution		3840x2160@30Hz	
Connection	n Cable	Fiber optical cable or Cat5/6 cable	
Power Inpu	ıt	DC12V /2A	DC12V / 2A
Power Con	sumption	3W	2.5W (USB peripherals not included)
Operating	Temperature	0–50 °C	
Storage Te	mperature	-20–60 °C	
Humidity		0–80% RH, Non-condensing	
Material		Metal	
Net Weigh	t (kg)	0.4 kg	0.4kg
Product Di (W × D × H		158 mm x 80 mm x 30mm	
Package Di (W × D × H		525 mm x 226 mm x 106mm	