

IP KVM Matrix Extender

Model No. **KFH151S/KFH151E/KFH151L/KFH251S**



Product Description

- The IP KVM Matrix System is a solution that combines KFH Series KVM extenders (KFH151S/E, KFH151L, KFH251S), with the IP KVM Matrix System to extend, control, and monitor access to computers, across a Local Area Network(LAN), in a multitude of ways. The system lets you set up a matrix of remote KVM consoles that access computers across a LAN, with the flexibility to control and configure each connection.
- The high-performance KFH extenders consist of a transmitter and a receiver. The transmitter connects to a computer to deliver the computer's data to the receiver to collectively provide console access from a remote or separate location. The computer can be accessed via a network or direct Ethernet cable connection from the remote console.
- The KFH extenders support flawless and lossless video compression quality with ultra-low latency, Latency as low as 16 milliseconds, and resolution up to 3840x2160@30Hz.
- The extenders have a local On Screen Display (OSD) on the receiver end in configuring both the receiver and transmitter — for easy setup and operation.
- The extenders can connect unit-to-unit or over a network via Gigabit Ethernet or the SFP ports. Connecting both methods allows network failover.

Product Features

- HDMI / USB2.0/Audio/Rs232 - IP KVM Matrix Extenders
- Flawless and lossless video compression quality with ultra-low latency(<1 frame/sec.)
- Supports standard resolutions from 640 x 480 to 3840x2160@30Hz
- OSD (On Screen Display) on the Receiver configures Tx / Rx devices
- Gigabit Ethernet port
- USB 2.0 over IP for KVM application
- Seamless and fast switching
- Supports connection via Gigabit Ethernet port (RJ-45) or SFP port for failover
- RS-232 serial ports allow you to connect to a serial terminal for configuration and serial devices such as touchscreens and barcode scanners
- Supports digital audio/ analog audio Hybrid Mode
- Direct connection- via a CAT6 cable, you can also connect the transmitter to multiple receivers and vice versa; each point can be supported by the unit up to 4(KFH251S)
- Connection via a Hub/switch - supports up to 40 units. Moreover, with the IP KVM Matrix Manager (DC-SG), it supports up to 9999 units(Tx & Rx)
- Remote login security
- Supports Power over Ethernet (PoE) functionality(KFH151E-TX)
- HDMI OUT loopback port on Transmitter(Tx)
- Hot pluggable, Upgradeable firmware

Specifications

Specifications	KFH151S/E_TX	KFH151S_RX	KFH151L_TX	KFH151L_RX	KFH251S_TX	KFH251S_RX	
Connector	HDMI input	1	N/A	1	N/A	2	N/A
	HDMI output	1	1	1	1	2	2
	VGA input	N/A	N/A	1	N/A	N/A	N/A
	VGA output	N/A	N/A	N/A	1	N/A	N/A
	Power	12V	12V	12V	12V	12V	12V
	LAN port	RJ45 x 1	RJ45 x 1	RJ45 x 1	RJ45 x 1	RJ45 x 2	RJ45 x 2
	Optical Module	SFP+ x 1					
	Microphone	3.5MM Stereo Jack (Green)	3.5MM Stereo Jack (Pink)	3.5MM Stereo Jack (Green)	3.5MM Stereo Jack (Pink)	3.5MM Stereo Jack (Green)	3.5MM Stereo Jack (Pink)
	Speaker	3.5MM Stereo Jack (Pink)	3.5MM Stereo Jack (Green)	3.5MM Stereo Jack (Pink)	3.5MM Stereo Jack (Green)	3.5MM Stereo Jack (Pink)	3.5MM Stereo Jack (Green)
	Square USB	1	N/A	1	N/A	1	N/A
	USB 2.0	N/A	USB x 4	USB x 2	USB x 4	N/A	USB x 4
	POE	KFH151E_TX	N/A	N/A	N/A	N/A	N/A
RS485	N/A	N/A	1	1	N/A	N/A	
Maximum resolution	3840*2160@30Hz						
Connection cable	CAT5e/6/7 Or Optical Fiber Cable (mode is up to optical module))						
I/R value	DC12V / 2A						
Power consumption	6W	6W	6W	6W	12W	12W	
Operating temperature	0 ~ 50 °C						
Storage temperature	-20 ~ 60 °C						
Humidity	0~80% RH, non-condensing						
Material	Metal						
Net weight (kg)	0.72 kg	0.72 kg	0.75 kg	0.75 kg	1 kg	1 kg	
Product dmsion (W×D×H)	180mm x 123.5 mm x 44mm		180mm x 123.5 mm x 44mm		272 mm x 115.5 mm x 44mm		
Packing dmsion (W×D×H)	395 mm x 274 mm x 110mm		395 mm x 274 mm x 110mm		395 mm x 274 mm x 110mm		

Connection Diagram

