IP KVM Matrix Extender

Model No. **KFH186K**

Description

- The KFH186K IP KVM matrix extenders are highly optimized KVM extenders. The point-to-point connection supports transmission distance of 120m, and resolution up to 3840x2160@60Hz.

- This series of extenders can be connected to an 1G network switch to form a matrix switching system, which supports point-to-point (P2P) mode and matrix mode.

- The video compression algorithm of KFH186K matrix extender is a perfect combination of high-quality image and low latency (<8ms). The USB and video signals are transmitted through CAT5e/6/7 network cable. It supports USB devices such as touch screen, USB sound card, printer, etc., it can also support USB storage devices.

Features

- HDMI / USB2.0/Audio - IP KVM Matrix Extender
- Single screen version
- Point-to-point connection supports maximum extension distance 120m/394ft
- Support seamless switching
- Freeze the last image after the disconnection of transmitter and receiver
- Support resolution up to 3840x2160@60Hz (4:4:4)
- USB transmission rate up to 480Mbit/s
- HDMI lossless real-time full HD transmission
- Support transmission through fiber optic and network (CAT5e/6/7)
- Support one Administrator account and one User account
- Support remote computer power on and off

Specification

Specification		KFH186K-TX	KFH186K-RX
Interfaces	HDMI Input	1	N/A
	HDMI Output	N/A	1
	Power	12V x 2	12V x 2
	LAN Port	RJ45 x 1	RJ45 x 1
	Fiber Optic Module	SFP+ x 1	SFP+ x 1
	Microphone	3.5MM Stereo Jack(Green)	3.5MM Stereo Jack(Pink)
	Speaker	3.5MM Stereo Jack(Pink)	3.5MM Stereo Jack(Green)
	Square USB	1	N/A
	USB	1	4
Max Resolution		3840*2160@60Hz	
Connected Cables		CAT5e/6/7 or Fiber(Depends on the fiber optic module)	
Power Input		DC12V / 3A	DC12V / 3A
Power Consumption		9W	10W
Operating Temperature		0—50 ℃	
Storage Temperature		-20—60 ℃	
Humidity		0—80% RH, non-condensing	
Material		Metal	
Net Weight(kg)		0.8 kg	0.8 kg
Product Dimension (W × D × H)		212mm x 114.3 mm x 44mm	
Package Dimension (W × D × H)		243mm x 209mm x 98mm	

Connection Diagram