

# IP KVM Matrix Extender

Model No. **KFH251S**



## Description

- The KFH251S IP KVM matrix extenders are highly optimized KVM extenders. The point-to-point connection supports transmission distance of 120m, and resolution up to 3840 × 2160@30Hz. 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 KFH251S matrix extender is a perfect combination of high-quality image and low latency (<16ms).
- 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/Rs232 - IP KVM Matrix Extender
- Single and Dual screen version
- Point-to-point connection supports a maximum extension distance 120m/394ft
- Can be connected to a standard network switch to form a matrix-switching system
- Support seamless switching
- Freeze the last image after the disconnection of the transmitter and receiver
- Support resolution up to 3840x2160@30Hz
- USB transmission rate up to 12MB/s
- HDMI lossless real-time full HD transmission
- Support local (TX) HDMI interface loop-out
- Support transmission through fiber optic and network (CAT5e/6/7)
- Support one Administrator account and one User account

## Specification

Specification		KFH251S-TX	KFH251S-RX
Interfaces	HDMI Input	2	N/A
	HDMI Output	2	2
	Power	12V	12V
	LAN Port	RJ45 x 2	RJ45 x 2
	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 2.0	N/A	USB x4
Max Resolution	3840*2160@30Hz		
Connected Cables	CAT5e/6/7 or Fiber(Depends on the fiber optic module)		
Power Input	DC12V / 2A	DC12V / 2A	
Power Consumption	12W	12W	
Operating Temperature	0—50 °C		
Storage Temperature	-20—60 °C		
Humidity	0—80% RH, non-condensing		
Material	Metal		
Net Weight(kg)	1 kg	1kg	
Product Dimension (W × D × H)	272mm x 115.3 mm x 44mm		
Package Dimension (W × D × H)	395mm x 274mm x 110mm		

## Connection Diagram

