



# Kinan KFH201S\_TX USB HDMI Dual View KVM Extender User Manual

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## Kinan KFH201S\_TX USB HDMI Dual View KVM Extender User Manual



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## Product Description

The KFH201S USB Dual HDMI over fiber KVM extender integrates the latest HD Base T™ technology and delivers dual HD HDMI video, USB and stereo audio signals up to 300m by using fiber optics; if the cable type is single mode, the transmitting distance is up to 10km.

A complete set of KFH201S including Transmitter (KFH201S\_TX) and Receiver (KFH201S\_RX). The Transmitter is connected to a computer or server, and the receiver is connected to a display, keyboard, audio player and other USB devices.

The KFH201S enables remote high-speed access to a computer at HD display resolution, while improving workplace ergonomics and separating employees from a noisy working environment.

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

## Features

- Uses one fiber optic cable to connect the transmitter and receiver units
- Allows HDMI dual view access to your computer from a remote console up to 300m by using multimode type cable, if the cable type is single mode, transmitting distance is up to 10km.
- Superior HDMI video quality of up to 1920×1080@60Hz.
- Transparent USB 2.0 – Supports a wide range of USB devices including keyboards, mice, mass storage devices and printers. It provides 4 USB ports on the Receiver and 1 USB on the Transmitter.
- Support individual 2-channel stereo audio, 1 LINEIN + 1 LINEOUT.
- RS232 serial port – support connection to a serial terminal.
- Support local HDMI output
- Easy to install - no software required - connecting cables to the devices is all it takes
- Plug and play

## KFH201S\_RX (Front View)



No.	Components	Description
1	RXLOS	SFP+ module signal receiving
2	TXLFT	The LED indicator that shows the SFP+ module has been connected, when the light is on, the SFP+ module is recognized.
3	LINKRX	Flashing: data is being transferred Off: The connection is unsuccessful
4	LINKTX	Flashing: data is being transferred Off: The connection is unsuccessful
5	HDCP1	HDMI-1 device video status
6	FW1	HDMI-1 device running indicator
7	HDCP2	HDMI-2 device video status
8	FW2	HDMI-2 device running indicator
9	FWR	Power indicator, indicate power status

#### KFH201S\_RX (Rear View)



No.	Components	Description
1	9-12V	9-12V power connection port
2	RS232	Serial port
3	AOUT	Audio output
4	AIN	MIC input
5	HDMI OUT1	Connect to HDMI monitor 1
6	HDMI OUT2	Connect to HDMI monitor 2
7	USB	Connect to USB peripherals or key board and mouse
8	SFP+	Connect to TX with fiber cable

#### KFH201S\_TX (Front View)



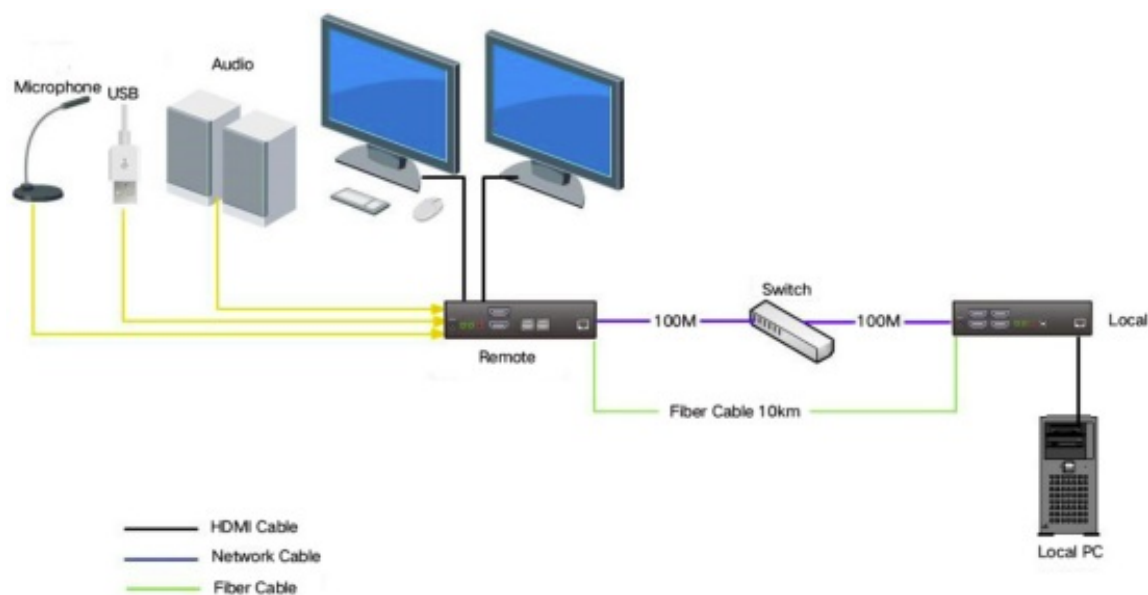
No.	Components	Description
1	RXLOS	SFP+ module signal receiving
2	TXLFT	The LED indicator that shows the SFP+ module has been connected, when the light is on, the SFP+ module is recognized.
3	LINK-RX	Flashing: data is being transferred Off: The connection is unsuccessful
4	LINK-TX	Flashing: data is being transferred Off: The connection is unsuccessful
5	HDCP1	HDMI-1 device video status
6	FW1	HDMI-1 device running indicator
7	HDCP2	HDMI-2 device video status
8	FW2	HDMI-2 device running indicator
9	FWR	Power indicator, indicate power status

### KFH201S\_TX (Rear View)



No.	Components	Description
1	9-12V	9-12V power connection port
2	HDMI OUT1	Connect to HDMI out display 1
3	HDMI OUT2	Connect to HDMI out display 2
4	HDMI IN1	HDMI video input 1
5	HDMI IN2	HDMI video input 2
6	RS232	Serial port
7	AOUT	Audio output
8	AIN	MIC input
9	USB	Connect to the USB port of the computer
10	SFP+	Connect to RX with fiber cable

### Connection Diagram



## Specifications

Function		KFH201S_TX	KFH201S_RX
Connector	HDMI Input	2	NA
	HDMI Output	2	2
	Power	12V	12V
	Fiber Module	SFP+ x 1	SFP+ x 1
	Microphone	3.5MM Stereo Jack(Pink)	3.5MM Stereo Jack(Pink)
	Speaker	3.5MM Stereo Jack(Green)	3.5MM Stereo Jack(Green)
	USB Type B	1	N/A
	USB 2.0	N/A	USB x 4
Resolution		Single-channel: 4K@60Hz (YCbCr 4:2:0)Dual-channel : 1920×1080@60Hz	
Connection Cable		Fiber cable	
Power Input		9-12VDC	9-12VDC
Power Consumption		12W	
Operating Temperature		0—50 °C	
Storage Temperature		-20—60 °C	
Humidity		0—80% RH, Non-condensing	
Material		Metal	
Net Weight (kg)		0.63kg	0.63kg
Product Dimension(W × D × H)		218 mm x 115 mm x 40mm	

**Version: V2.0**



## Documents / Resources

<div data-bbox="140 468 161 470">1280x1000</div> <div data-bbox="158 488 260 499">Dual HDMI over Fiber KVM Extender (KFH201S)</div> <div data-bbox="178 535 239 539">User Manual</div> <div data-bbox="153 645 253 674"><small>© 2014 Kinan Technology Co., Ltd. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without prior written permission from Kinan Technology Co., Ltd.</small></div>	<div data-bbox="316 510 1265 533"><a href="#">Kinan KFH201S_TX USB HDMI Dual View KVM Extender</a> [pdf] User Manual</div> <div data-bbox="316 539 1469 627">KFH201S_TX, KFH201S_RX, KFH201S_TX USB HDMI Dual View KVM Extender, KFH201S_TX, USB HDMI Dual View KVM Extender, Dual View KVM Extender, View KVM Extender, KVM Extender, Extender</div>
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## References

- [Home - Kinan | Professional & High-quality KVM Switch, KVM Console, KVM over IP](#)
- [User Manual](#)

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