KVM Extender

User Manual

www.kinankvm.com

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Version: V3.0

Product Description

The KED101S USB DVI HDBaseT™ KVM extender integrates the latest HDBaseT™ technology and delivers HD DVI video, USB and stereo audio signals up to 100m via single Cat5 / Cat6 cable.

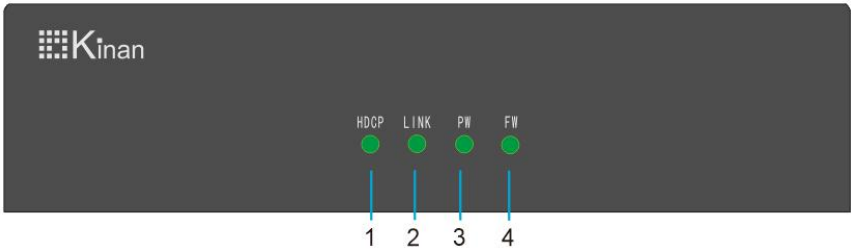
A complete set of KED101S including Transmitter (KED101S-TX) and Receiver (KED101S-RX). The Transmitter is connected to a computer or server, and the receiver is connected to a display, keyboard, audio player and other USB devices.

The KED101S enables remote high-speed access to a single computer at HD display resolution, while improving workplace ergonomics and separating employees from a noisy working environment.

Features

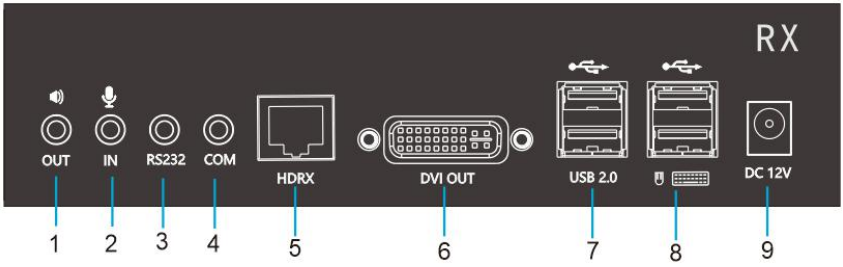
- Allows access to your computer from a remote console up to 100m
- Support USB keyboard and mouse
- Uncompressed DVI HD video, resolution up to 1920 x 1200 @60Hz@100m
- Transparent USB 2.0 – Supports a wide range of USB devices including keyboards, mice, mass storage devices and printers. It provides 4 USB ports on the Receiver and 1 USB on the Transmitter.
- Support individual 2-channel stereo audio, 1 LINEIN + 1 LINEOUT
- Extends video, audio, USB, RS-232 signals via a single Cat5e / Cat 6 cable
- Easy to install - no software required - connecting cables to the devices is all it takes
- Plug and play
- Support EDID transparent transmission

KED101S_RX (Front View)



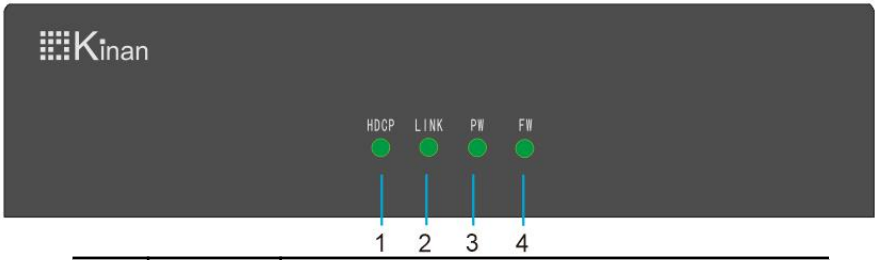
No.	Function	Description
1	HDCP	Indicate video status
2	LINK	Indicate the connection status with local unit
3	PW	Indicate power status
4	FW	Device status

KED101S_RX (Rear View)



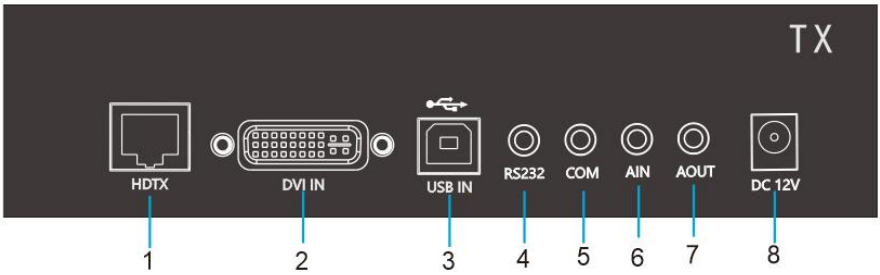
No.	Function	Description
1	OUT	Audio output
2	IN	MIC input
3	RS232	Serial port
4	COM	Reserved port
5	HDRX	CAT5E/CAT6 cable connection port
6	DVI OUT	Display connection port
7	USB2.0	Connect USB peripherals
8	USB port	Connect USB keyboard and mouse
9	Power socket	12V power connection port

KED101S_TX (Front View)



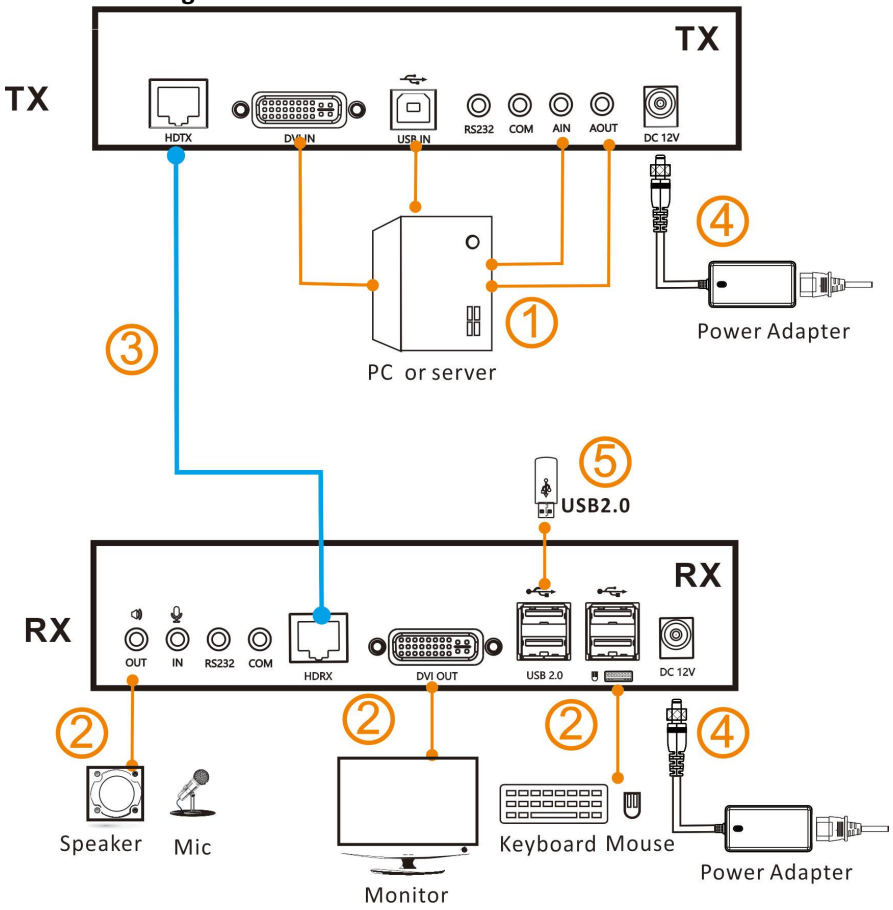
No.	Function	Description
1	HDCP	Indicate video status
2	LINK	Indicate the connection status with local unit
3	PW	Indicate power status
4	FW	Device status

KED101S_TX (Rear View)



No.	Function	*Description*
1	HDTX	CAT5E/CAT6 cable connection port
2	DVI IN	Video input port
3	USB IN	Server USB Connection port
4	RS232	Serial port
5	COM	Reserved port
6	AIN	Server MIC input port
7	AOUT	Server Audio output port
8	Power socket	12V power connection port

Connection Diagram



1. Connect the KED101S_TX to PC's video, USB port and audio port. (① in the above diagram)
2. Connect the KED101S_RX to keyboard, mouse, display and audio device. (② in the above diagram)
3. Connect KED101S_TX unit and KED101S_RX unit with CAT5E/CAT6 cable through the HDTX and HDRX ports. (Max 100m) (③in the above diagram)
4. Power on the KED101S_TX and KED101S_RX unit. (④in the above diagram)

Specifications

Model		KED101S (TX)	KED101S (RX)
Connector	DVI Input	1	NA
	DVI Output	NA	1
	Power	12V	12V
	Network	RJ45 x1	RJ45 x 1
	Microphone	3.5MM Stereo Jack (pink) x1	3.5MM Stereo Jack (pink) x1
	Speaker	3.5MM Stereo Jack (green) x1	3.5MM Stereo Jack (green) x1
	USB	1	N/A
	USB 2.0	N/A	USB x 4
Resolution		1920×1200 @ 60 Hz	
Cable		CAT 5E / 6	
I/R Value		DC12V / 2A	DC12V / 2A
Power Consumption		4W	7W
Operating Temperature		0—50 ℃	
Storage Temperature		-20—60 ℃	
Humidity		0—80% RH, Non-condensing	
Net Weight (kg)		0.66 kg	0.66kg
Product Dimension (W × D × H)		180mmx122mmx44mm	
Package Dimension (W × D × H)		525 mm x 226 mm x 106 mm	

FQA

No.	Issue	Solution
1	PW light does not light up	Check whether the extender is connected to the 12V power adapter
		Check whether the power adapter is well connected with the power cord and the power strip
		Check whether the power strip has mains power (100-240V)
2	LINK light does not light up	Check whether the TX/RX network cable is connected properly
		Change a CAT5e/ CAT6/ CAT7 network cable that can be used normally
3	HDCP light does not light up	Check whether the DVI signal cable between RX and monitor, TX and PC host is well connected
		Check whether the host PC or monitor is in normal working condition
		Plug and unplug the DVI signal cable on the PC host