

KVM Extender

User Manual

www.kinankvm.com

©All right reserved Shenzhen Kinan Technology Co., Ltd.

Date: 2018 / 10

Version: V1.0

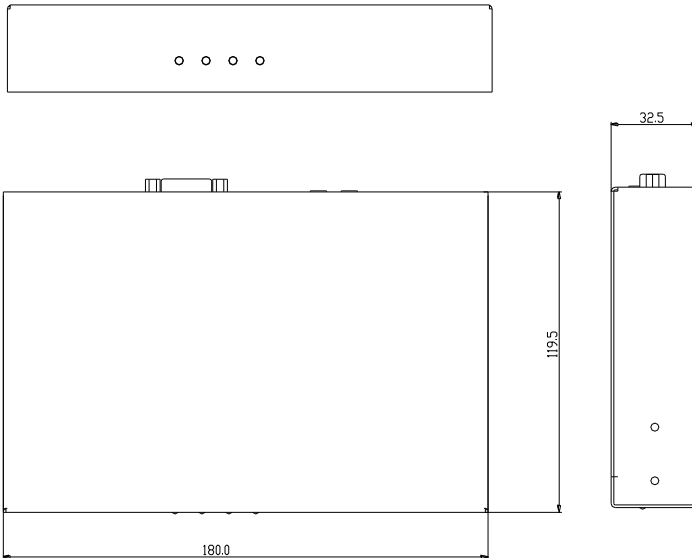
Product Description

KEV101S is a VGA KVM extender that transmits audio, video, USB and RS232 signals up to 100m through a single CAT5E/CAT6 cable. With an easy cable installation supporting various signals, the KVM Extender is ideal for applications where convenient remote access is required – such as transportation control centers, medical facilities, industrial warehouses, and extended workstations. A complete set of KVM Extender consists of two parts - local unit and remote unit.

Features

- Extends video, audio, USB, and RS-232 signals via a single CATx cable
- Long Distance and Superior video quality: 1920x1080 @ 60 Hz @100m
- Transparent USB2.0
- Audio support: 1 LINEIN + 1 LINEOUT, supports dual channels in both direction
- Support 1 channel RS322 asynchronous serial transmission
- Easy to install - just need to connect the cables
- No software required

Structure



1.1 Dimension

Pictures

KEV101S_TX (Front View)



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

KEV101S_TX (Rear View)



No.	Function	Description
1	9V-12V	9V-12V power input
2	RS232	Serial port
3	FIR	Reserved port
4	AOUT	Audio Output
5	AIN	MIC Input
6	HDTX	Connect to RX via CAT5E/CAT6 cable
7	VGA IN	Video Input
8	USB IN	USB input

KEV101S_RX (Front View)



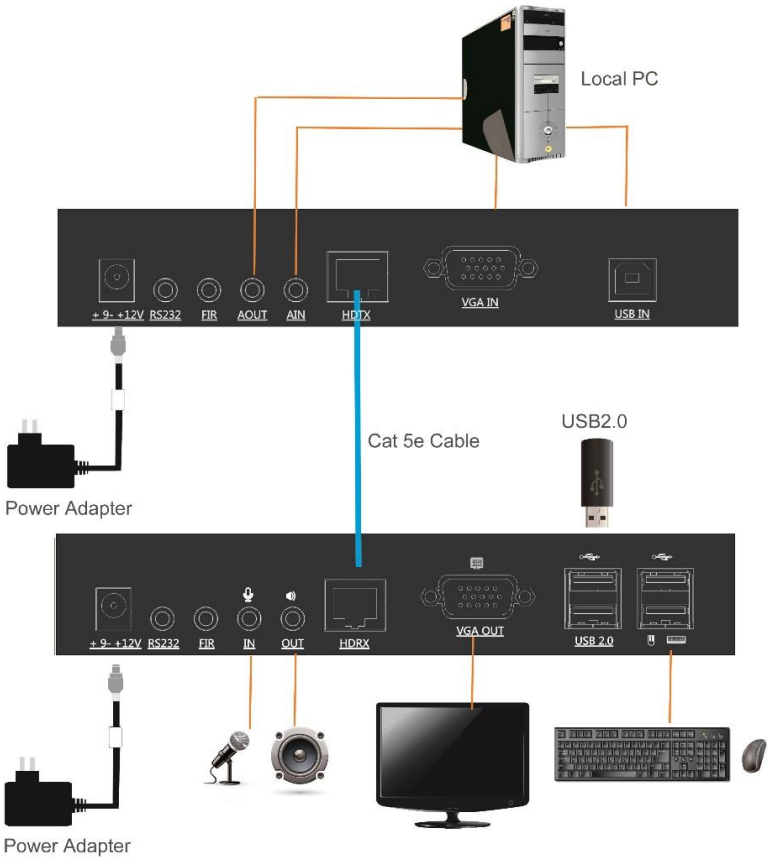
No.	Function	Description
1	FW	Device status
2	LINK	Indicate the connection status with RX
3	HDCP	Indicate video status
4	PW	Indicate power status

KEV101S_RX (Rear View)



No.	Function	Description
1	9V-12V	9V-12V power input
2	RS232	Serial Port
3	FIR	Reserved Port
4	IN	MIC input
5	OUT	Audio output
6	HDRX	Connect to TX via CAT5E/CAT6 cable
7	VGA OUT	Connect to display
8	USB	Connect to USB keyboard / mouse or other USB peripherals

Connection Diagram



1. Connect to server, USB port, and audio port.
2. Connect to keyboard, mouse, display, audio port
3. Connect TX unit and RX unit with CAT5E/CAT6 cable (Max 100m)
4. Turn on the TX and RX unit

Technical Specification

Model		KEV101S (TX)	KEV101S (RX)
Connector	VGA Output	1	NA
	VGA Input	NA	1
	Power	9V-12V	9V-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 2
Resolution		1920 x 1280 @ 60 Hz	
Cable		CAT 5E / 6	
I/R Value		DC12V / 2A	DC12V / 2A
Power Consumption		5W	
Operating Temperature		0 ~ 40 °C	
Storage Temperature		-20 ~ 60 °C	
Humidity		0~80% RH, Non-condensing	
Net Weight (kg)		0.65kg	0.65kg
Product Dimension (W x D x H)		180mmx119.5mmx32.5mm	
Package Dimension (W x D x H)		260 mmx179 mm x102mm	