HDMI KVM OVER CAT6 (70M) (ER2661KVM)

Introduction

This HDMI Extender includes a transmitter unit and a receiver unit, allows the HDMI signal to be transmitted up to 70 meters using a Cat6/6A/7 network cable. It adopts a point-to-point connection configuration, supports KVM remote control and management and 3.5 mm stereo audio output. It is perfect for outdoor advertising, monitor system, home entertainment, conference, etc.

Features

- Zero latency.
- Support up to 4K@30Hz resolution.
- Support CAT6/6A/7 network cables, 1080p@60Hz transmission distance is up to 70 meters, 4K30Hz transmission distance is up to 40 meters.
- Support KVM remote control and management.
- Support HDR10.
- Support EDID passthrough.
- Transmitter supports HDMI loop-out.
- Receiver supports 3.5mm stereo audio output.
- Automatically adjusts parameters to match different network cables
- and achieve the best display performance.
- Lightning Protection, Surge Protection, ESD Protection.

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Specifications

Brand	EiRA	
SKU Code	ER2661KVM	
Technical	**Transmitter-TX**	**Receiver-RX**
HDMI compliance	HDMI 1.4	
HDCP compliance	HDCP 1.4	
Transmission medium	Cat6/Cat6A/Cat7	
Transmission distance	1080P@60Hz ≤ 70m; 4K@30Hz ≤ 40m	
Video bandwidth	10.2Gbps	
Video support	800x600, 1024x768, 1280x720, 1280x960, 1366x768, 1440x900, 1680x1050, 1920x1080, 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60Hz, 4K@24/25/30Hz	
Audio support	PCM/LPCM/DTS-HD/DTS-Audio/Dolby Digital 5.1CH/Dolby TrueHD 5.1CH	
1080P HDR10 (YUV4:4:4)	Support	
HDMI loop-out on TX	Support	
EDID through	Support	
KVM function	Support	
Input TMDS signal	0.7~1.2Vp-p	
Input DDC signal	5Vp-p	
Input	1×HDMI, DC2.1 x1, USB-A x1	DC2.1 x1, RJ45 x1, 3.5mm L/R x1 , USB-A x2
Output	HDMI x1, RJ45 x1	HDMI x1, RJ45 x1
HDMI connector	Type A, Female, 19-pin	
Lan connector	RJ-45	
Network cable standard	CAT6/CAT6A/CAT7, follow IEEE-5688 standard	
Mechanical	**Transmitter-TX**	**Receiver-RX**
Housing	Aluminium Alloy material + crystal plate	
Dimensions (L×W×H mm)	80.0(L) x 75.0(W) x 20.0(H) mm	
Net weight	180g	180g
Power supply	5V / 1A	5V / 1A
Consumption	2.5W	2.5W
Operation temperature	-20～60℃	
Storage temperature	—30～70℃	
Relative humidity	0～90%(non-condensing)	
Warranty	1 Year	

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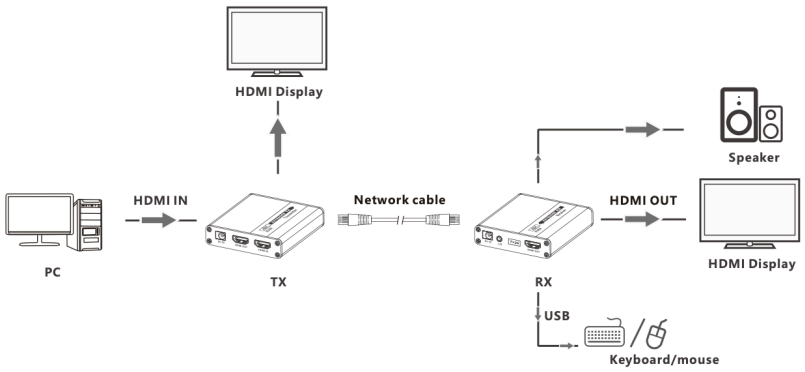
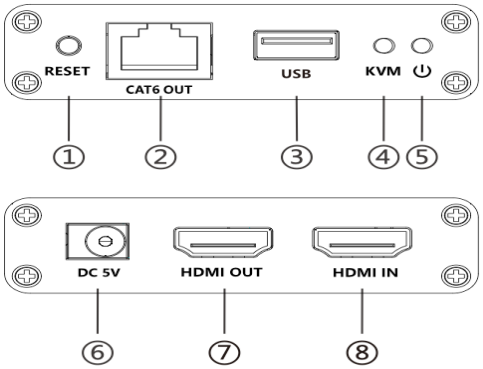
Connection



Note: When using the 3.5mm stereo audio jack, please switch the audio output format of the signal source to PCM format.

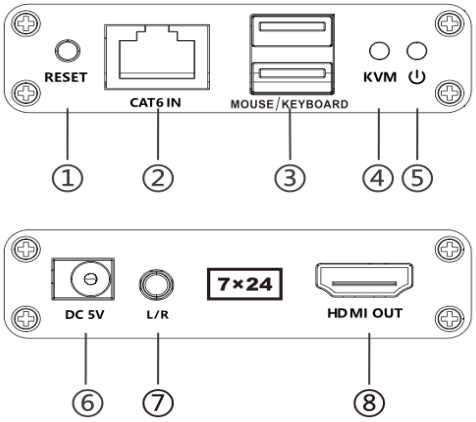
Panel Description

1. Transmitter (TX)



①	Reset button	Press the button to restart the device.
②	Rj45 signal output	Output modulated HDMI signal.
③	USB-A port	Connect to the computer.
④	KVM indicator	a) The host computer is not connected and the indicator light is off. b) Connect to the host computer, the indicator light is always on. c) The mouse and keyboard work normally, and the signal transmission indicator flashes.
⑤	Power/Signal indicator	a. When power is on and no HDMI signal is transmitted, the indicator flashes. b. When power is on and HDMI signal is transmitted, the indicator is always on.
⑥	DC 5V input	Connect to the 5V1A DC power adapter.
⑦	HDMI output	Connect to a local HDMI display device.
⑧	HDMI input	Connect to a HDMI source device.

2. Receiver (RX)



①	Reset button	Press the button to restart the device.
②	Rj45 signal input	Input modulated HDMI signal.
③	USB-A port	Connect mouse and keyboard.
④	KVM indicator	a) The host computer is not connected and the indicator light is off. b) Connect to the host computer, the indicator light is always on. c) The mouse and keyboard work normally, and the signal transmission indicator flashes.
⑤	Power/Signal indicator	a. When power is on and no HDMI signal is transmitted, the indicator flashes. b. When power is on and HDMI signal is transmitted, the indicator is always on.
⑥	DC 5V input	Connect to the 5V1A DC power adapter.
⑦	3.5mm L/R out	Connect headphones or power amplifiers to output stereo audio.
⑧	HDMI output	Connect to a HDMI source device.