

HDMI KVM EXTENDER OVER CAT6 (70M) POC (ER2663KVM)



Introduction

This HDMI KVM Extender includes a transmitter and a receiver, allows the HDMI signal to be transmitted up to 70 meters at 1080p resolution using a Cat6/6A/7 network cable. It adopts a point-to-point connection configuration, supports KVM. 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 70meters, 4K@30Hz transmission distance is up to 40 meters.
- Support KVM function.
- Support HDR10.
- Support PoC network cable power supply, only TX power supply is needed.
- Automatically adjusts parameters to match different network cables and achieve the best display performance.
- Plug and play.

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Specifications

Brand	EiRA	
SKU Code	ER2663KVM	
Item Name	HDMI KVM EXTENDER OVER CAT6 (70M) POC	
Technical	Transmitter-TX	Receiver-RX
HDMI compliance	HDMI 1.4	
HDCP compliance	HDCP 1.4	
Transmission medium	Cat6/Cat6A/Cat7	
Transmission distance	1080p@60Hz transmission 70 meters 4K@30Hz transmission 40 meters	
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	DTS, DTS-HD, PCM, LPCM	
HDR10	Support	
KVM function	Support	
Input TMDS signal	0.7~1.2Vp-p (TMDS)	
Input DDC signal	5Vp-p (TTL)	
Input	1×HDMI , DC 5V x1 , USB-A x1	RJ45 x1 , USB-A x2
Output	RJ45 x1	HDMI x1
HDMI connector	Type A, Female, 19-pin	
Lan connector	RJ-45	
Network cable standard	CAT6/CAT6A/CAT7 , follow IEEE-5688 standard	
Protection level ESD	Implementation of the standard: IEC61000-4-2 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV)	
Housing	Aluminium Alloy material	
Colour	Black	
Dimensions(L×W×H mm)	75.0(L) x 60.0(W) x 20(H) mm	
Net weight	Tx: 123g RX: 123g	
Power supply	DC5V/2A (only TX power supply is needed)	
Consumption	TX+RX < 10W	
Operation temperature	-20~60°C	
Storage temperature	-30~70°C	
Relative humidity	0~90%(non-condensing)	

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Package Contents



Transmitter
x1pc



Receiver
x1pc



5V/2A
x1pc

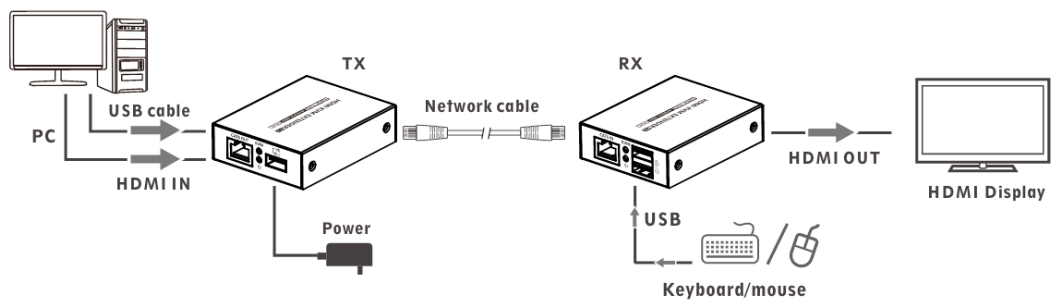


User manual
x1pc



USB Cable
x1pc

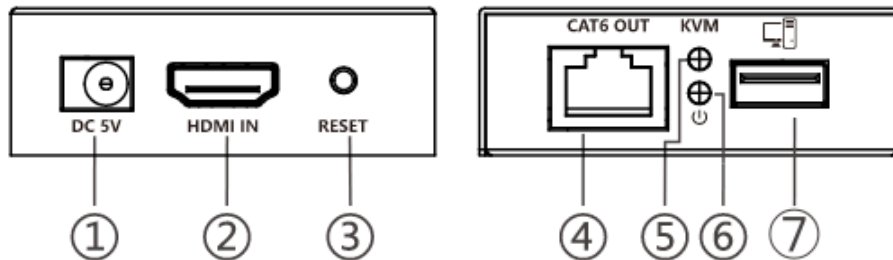
Connection



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Panel Description

1. Transmitter (TX)

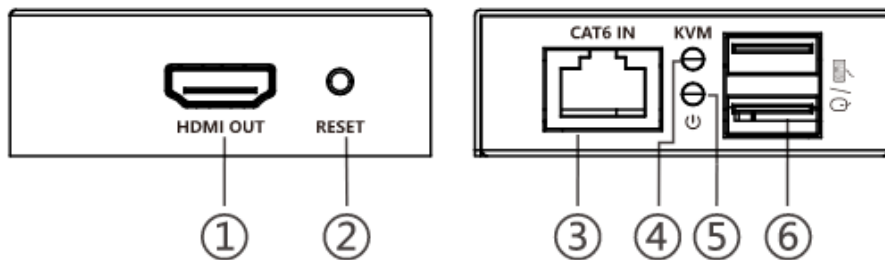


①	DC 5V	Connect with 5V/2A power adapter
②	HDMI Input	Connect with HDMI source device
③	Reset Button	Press the button to restart the device
④	RJ45 Output	Connect with CAT6/6A/7 network cable
⑤	KVM Indicator	a) Light off: the USB port and the computer have not established a connection b) Steady on: the USB port is connected to the computer, but no KVM data is transmitted c) Light flash: the KVM data is transmitting
⑥	Power Indicator	a) Light flash: it is powered on, but no video data is transmitted b) Steady on: the video data is transmitting
⑦	USB-A Port	Connect to the computer with USB cable



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2. Receiver (RX)



①	HDMI Output	Connect with HDMI display device
②	Reset Button	Press the button to restart the device
③	RJ45 Input	Connect with CAT6/6A/7 network cable
④	KVM Indicator	a) Light off: the USB port and the computer have not established a connection b) Steady on: the USB port is connected to the computer, but no KVM data is transmitted c) Light flash: the KVM data is transmitting
⑤	Power Indicator	a) Light flash: it is powered on, but no video data is transmitted b) Steady on: the video data is transmitting
⑥	USB-A Port	Connect to the mouse and keyboard