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HDMI

HDMIE120KVM

HDMI Extender 120m over Single CAT 6 with KVM

User Guide



Important Safety Notice

Please read these safety instructions carefully before installation and operation:

1. Please pay attention to all the warnings and hints on this device.
2. Do not expose this unit to rain, moisture and liquid.
3. Do not put any stuff into the device.
4. Do not repair the device or open the enclosure without professional person guidance to avoid electronic shock.
5. Make sure good ventilation openings to avoid product overheating damage.
6. Shut off power and make sure environment is safe before installation.
7. Do not plug-in/out the network cables and IR cables when it is in using to avoid cables damage.
8. Use DC5V only. Make sure the specification matched if using 3rd party DC adapters.

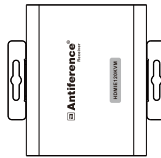
Introduction

This HDMI KVM extender can send 1080p@60Hz resolution up to 120m over a single CAT6 cable. KVM support allows USB control over the cable enabling the user to control a console (mouse & keyboard control) such as PC, laptop or CCTV DVR from the remote location. This is useful for security, control or presentation applications

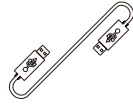
Package contents



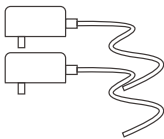
HDMI KVM EXTENDER
TX x1pcs



HDMI KVM EXTENDER
RX x1pcs



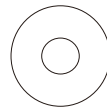
USB Cable x1



Power supply x2pcs



User manual ×1pcs



CD (USB driver software)
x1pcs

Features

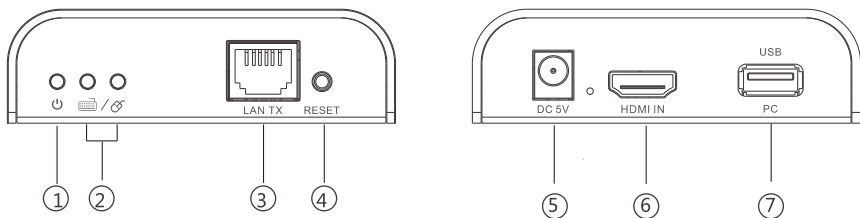
1. Extend HDMI signal up to 120 meters via a single CAT6 cable
2. HD resolution supported up to 1080p@60Hz
3. LED indicators show the status of power and USB connection
4. Supports KVM function, offering convenient remote control
5. Supports LAN standard 802.3 Ethernet 10/100/1000Mbps
6. Compliant STP and UTP CAT5/5E/6 network cables
7. Aluminum alloy housing design, stable and durable

Installation Requirement

1. Source devices: PC or other devices with HDMI graphics card.
2. Display devices: With HDMI input port, SDTV, HDTV or monitor.
3. Network cables: UTP/STP CAT5E/6 network cables, which following the standard of IEEE-568B. Transmission length: CAT5 80m/CAT5E 100m/CAT6 120m.

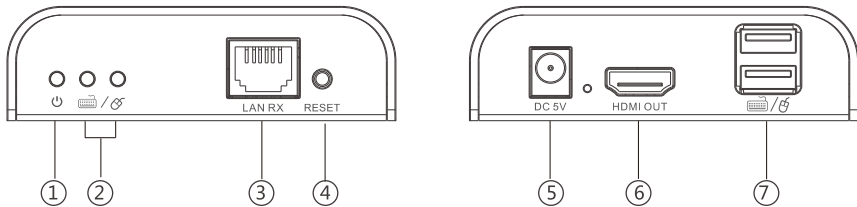
Product Description

1. HDMI KVM EXTENDER TX (Transmitter)



1. Power indicator
2. USB connection indicator
3. LAN signal output
4. Reset button
5. Power input (DC5V)
6. HDMI signal input
7. USB port: to connect with PC

2. HDMI KVM EXTENDER RX (Receiver)



1. Power indicator
2. USB connection indicator
3. LAN signal input
4. Reset button
5. Power input (DC5V)
6. HDMI signal output
7. USB port: to connect with

Installation Procedures

1. How to make a CAT5/5E/6 network cable

All connections should be terminated to the standard IEEE-568B:

- | | |
|-----------------|-----------|
| 1- Orange/white | 2- Orange |
| 3- Green/white | 4- Blue |
| 5- Blue/white | 6- Green |
| 7- Brown/white | 8- Brown |

2. Installation of driver Software (if required)

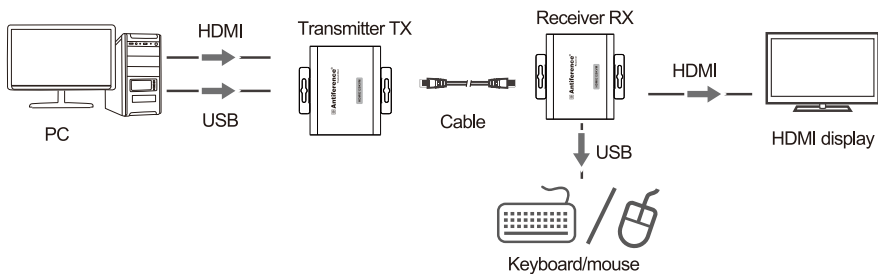
- 2.1 Connect the transmitter unit and computer via USB cable and install driver software from CD.
- 2.2 Restart should not be required when the installation is complete

3. Supported OS and version

Windows 7, Windows 7 x64, Windows Server 2008, Windows Server 2008 x64, Windows Vista, Windows Vista x64, Windows Server 2003, Windows XP, Windows XP-x64, Windows 2000, Windows ME, Windows 98SE, Windows 8, Windows 10

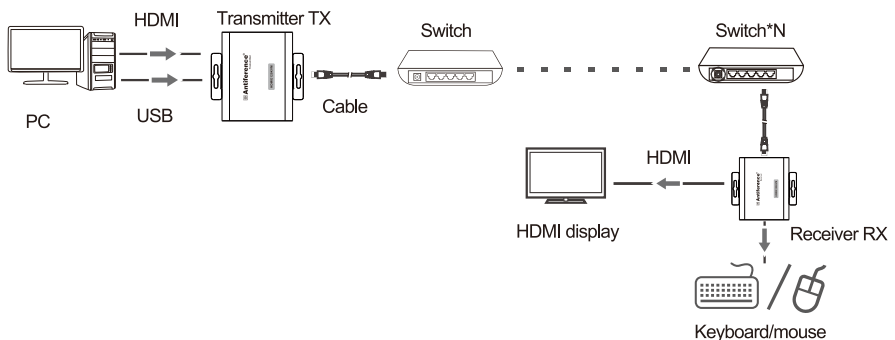
4. General Connection

Transmission distance can be up to 120 meters for 1080p over one CAT6



NOTE: Point to multi-point connection via switch is supported too, but to ensure the best user experience, it is strongly recommended to operate KVM function on one receiver at a time only.

5. Switch Connection



NOTE: Transmission distance depends on type of network cable,
CAT5: 80m, CAT5E: 100m, CAT6:120m.

FAQ

Q : Yellow light on LAN port is flashing but slowly?

A:

1. Check whether HDMI extender Transmitter and HDMI Extender receiver are connected the correct way around.
2. Check whether HDMI source device is outputting HDMI signal correctly.
3. Change the HDMI cable from the source to the transmitter.

Q : Yellow light of LAN port is flashing quickly but there is no output display?

A:

1. If HDMI source is graphics card, please set an appropriate resolution for the output display .
2. Check whether HDMI cable at the receiver is connected correctly.
3. Change the HDMI cable from the receiver to the display.

Q : There is no yellow LED light on the LAN port?

A :

1. Check and make sure all the cables are connected.
2. Try again with shorter CAT6 cable.

Q : Abnormal colour display or flashing after all the devices are connected?

A :

1. Pls press reset button on the HDMI extender.
2. Make sure the network cable is made according to the standard of IEEE-568B.

Q : USB does not work

A : Re-install the driver software, check to make sure the USB cables are connected properly, then reset Transmitter or Receiver.

Specification

Items	Specification		
HDM version	HDMI1.3		
HDCP version	HDCP1.2		
Video bandwidth	<70Mbps		
HDMI resolution supported	640*480@60Hz 1280*720@60Hz 1400*480@60Hz	800*600@60Hz 1360*768@60Hz 1680*1050@60Hz	1024*768@60Hz 1440*900@60Hz 1920*1080@60Hz
Audio support	PCM (44.1KHz, 48KHz)		
HDMI connector	Type A, 19pin, Female		
LAN connector	RJ-45		
Operation temperature	0°C - 50°C		
Relative humidity	10-95% (Noncondensing)		
Power Supply	5V/1A*2pcs		
Power consumption	TX<3.5w RX<3.5w		
Dimension	109.6(L) x 89.5(W) x 26.3(H)mm*2pcs		
Weight	TX:240g RX:240g		
Colour	Black		

Declaration of Conformity

We, ANTIFERENCE LIMITED herewith declare that the HDMI extender kit complies with all essential requirements and any other applicable conditions set forth on directive 2014/30/EU.

According to the WEEE (Waste Electrical and Electronic Equipment) EU Directive, do not dispose of this product as household waste or commercial waste. Waste Electrical and Electronic Equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.