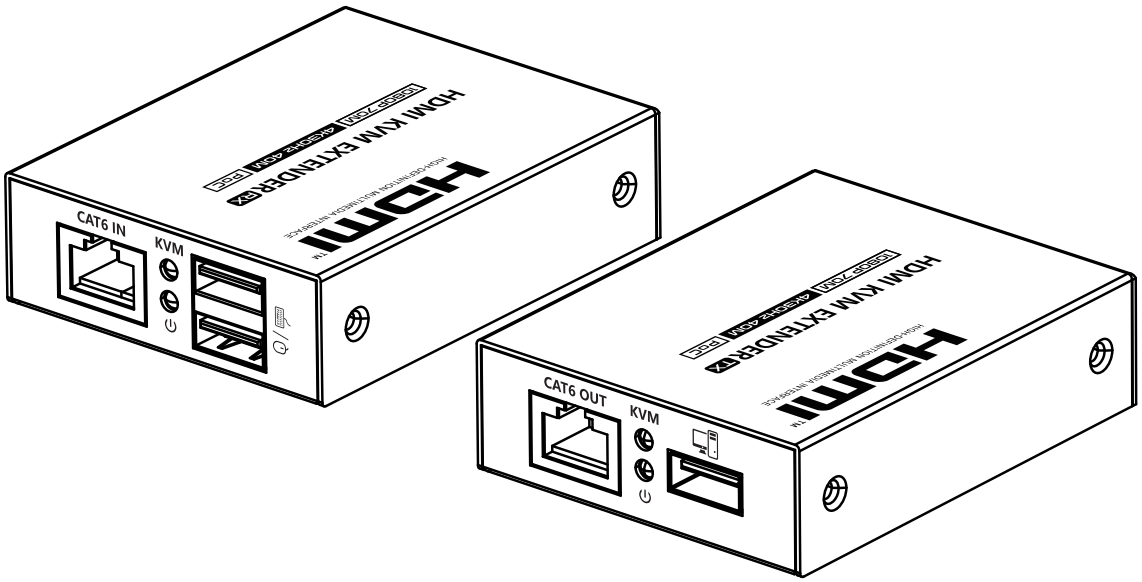
rocstor®

TrueReach TR25

KVM EXTENDER

Point to Point Extender



User Manual

PN: Y10G027-B1

HIGH-DEFINITION MULTIMEDIA INTERFACE

The terms HDMI, HDMI High-De nition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Important Safety Notice

- **Grounding:** To prevent electric shock, ensure all devices are properly grounded.
- **No Hot Plugging:** Do not plug or unplug cables while the device is powered on.
- **Heat Exposure:** Keep the device away from radiators/heat registers/sunlight to avoid overheating.
- **Ventilation:** Put device in a well-ventilated area and ensure ventilation openings are not blocked.
- **Water Protection:** Do not expose the device to rain, moisture, or water. Any liquid entering the device can cause malfunction, fire, or electric shock.
- **Stability:** Put device on a stable, level surface to prevent it from falling and becoming damaged.
- **Metal Objects:** Never insert metallic objects into any device openings for risk of electric shock.
- **Repairs:** Repairs should only be performed by a qualified technician.
- **Power Supply:** If using a third-party power supply, ensure it meets the device's specifications.
- **Cable Handling:** Do not plug or unplug the Ethernet or HDMI cables while the device is powered on.

Introduction

The Rocstor HDMI KVM Extender includes a transmitter and receiver designed to extend HDMI video, audio, and USB keyboard and mouse signals over a single Cat6, Cat6A, or Cat7 network cable. It supports transmission distances of up to 230 ft (70 m) at 1080p@60Hz and up to 131 ft (40 m) at 4K@30Hz.

Using a point-to-point connection, the extender provides reliable, zero-latency signal transmission while supporting HDR10, KVM control, and Power over Cable. Power is required only at the transmitter, helping simplify installation. It is suitable for digital signage, security monitoring, home entertainment, conference rooms, training environments, and other professional application.

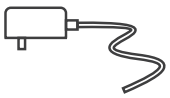
Package Contents



Transmitter
x1 pc



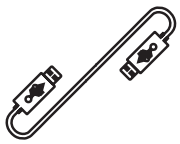
Receiver
x1 pc



5V / 2A
x1 pc



User Manual
x1 pc



USB Cable
x1 pc

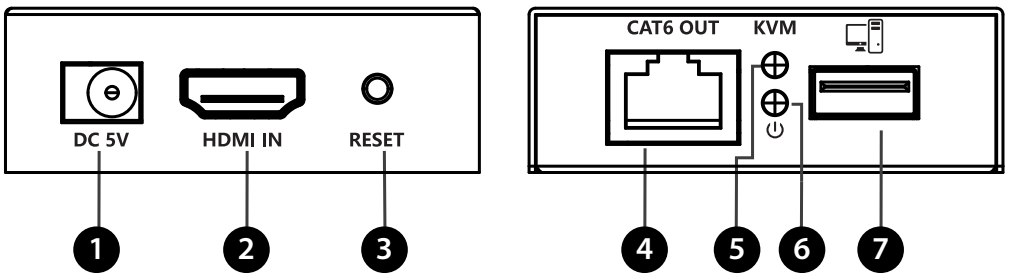
Package Contents

- HDMI source device with an HDMI output, such as a computer, media player, game console, DVR, or set-top box.
- HDMI display device with an HDMI input, such as a television, monitor, or projector.
- Cat6, Cat6A, or Cat7 UTP/STP network cable wired according to the IEEE 568B standard.

Features

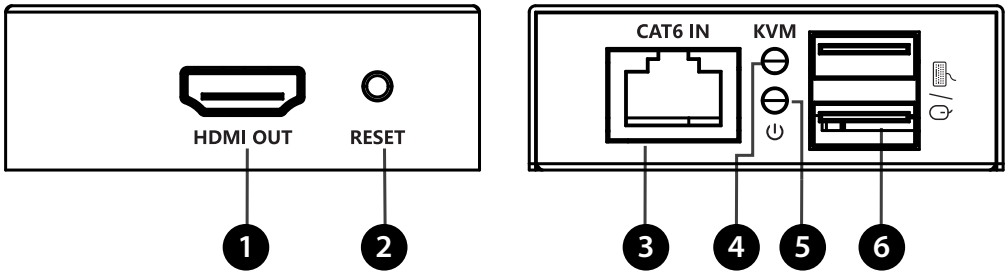
- Supports resolutions up to 4K@30Hz with zero-latency video transmission and HDR10 support.
- Extends 1080p@60Hz signals up to 230 ft (70 m) and 4K@30Hz signals up to 131 ft (40 m) over Cat6, Cat6A, or Cat7 cable.
- Supports KVM functionality for remote keyboard and mouse control.
- Features Power over Cable, automatic signal adjustment, and plug-and-play installation.

• Transmitter



1	Power Input	Connect with DC 5V/2A power adapter
2	HDMI Out	Connect with HDMI display device
3	Reset Button	Press to restart the device
4	RJ45 Output	Connect with CAT6/6A/7 network cable
5	KVM Indicator	Light off: the computer and the USB port have not established a connection; Steady on: the computer and the USB port are connected; Light Flashing: the KVM data is transmitting
7	Power Indicator	Light Flashing: power is on, but no HDMI signal is transmitted; Steady on: HDMI signal is transmitting
6	USB-A Port	Connect to the computer with USB cable

• Receiver



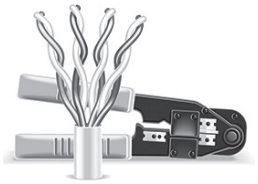
1	HDMI Out	Connect with HDMI display device
2	Reset Button	Press to restart the device
3	RJ45 Input	Connect with CAT6/6A/7 network cable
4	KVM Indicator	Light off: the computer and the USB port have not established a connection; Steady on: the computer and the USB port are connected; Light Flashing: the KVM data is transmitting
5	Power Indicator	Light Flashing: power is on, but no HDMI signal is transmitted; Steady on: HDMI signal is transmitting
6	USB-A Port	Connect with the mouse and keyboard

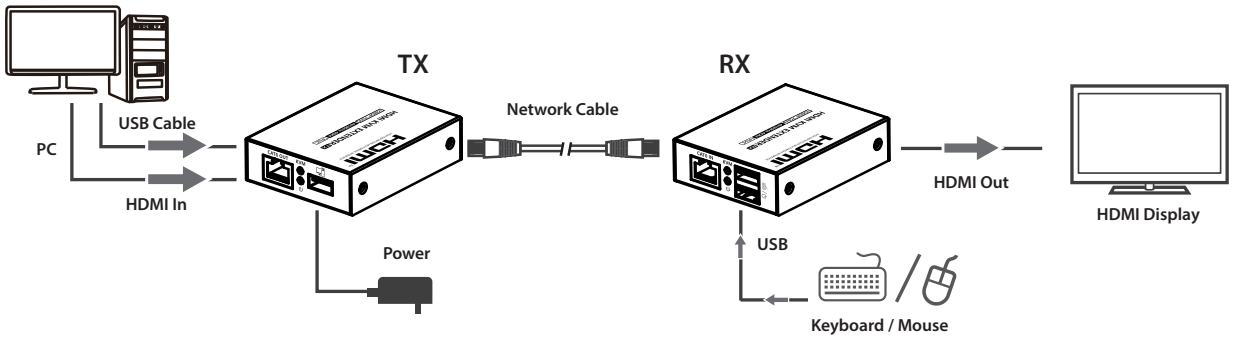
Installation Procedures

1. Prepare the Network Cable

Use a Cat6, Cat6A, or Cat7 network cable wired according to the IEEE 568B standard. For best performance, use a high-quality cable with minimal signal loss and crosstalk.

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





2. Connect the Devices

1. Connect the HDMI source device to the HDMI IN port on the transmitter using an HDMI cable.
2. Connect the transmitter's CAT6 OUT port to the receiver's CAT6 IN port using a Cat6, Cat6A, or Cat7 network cable.
3. Connect the receiver's HDMI OUT port to the HDMI display using an HDMI cable.
4. For KVM control, connect the computer to the transmitter using the included USB cable, then connect a keyboard and mouse to the USB ports on the receiver.
5. Connect the 5V/2A power adapter to the transmitter. The receiver is powered through the network cable using Power over Cable.
6. Power on the source device and display. The extender is now ready for use.

Specifications

Power	
Voltage / Current	DC 5V/2A (only the transmitter requires power)
Power Consumption	TX + RX < 10W
HDMI Performance and Interface	
HDMI Compliance	HDMI 1.4
HDCP Compliance	HDCP 1.4
HDMI Resolution	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; 3840x2160@24/25/30Hz
Transmission Distance	1080p@60Hz: up to 230 ft (70 m) 4K@30Hz: up to 131 ft (40 m)
HDR	Supported
Audio Formats	DTS, DTS-HD, PCM, LPCM
Input and Output TMDS Signal	0.7-1.2 Vp-p (TMDS)
Input and Output DDC Signal	5 Vp-p (TTL)
Environmental	
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Storage Temperature	-22°F to 158°F (-30°C to 70°C)
Humidity	0-90% RH, non-condensing
Physical Characteristics	
Dimensions	2.95 x 2.36 x 0.79 in. (75 x 60 x 20 mm)
Weight	Transmitter: 4.34 oz (123 g) Receiver: 4.34 oz (123 g)
Color	Black
Protection	
ESD Protection	IEC 61000-4-2 Contact discharge: Level 2 (±4 kV) Air discharge: Level 3 (±8 kV)

FAQ

Why is there no image, or why is the video or audio not playing smoothly?

- Press the Reset button on the receiver to restart the device.
- Reconnect the transmitter and receiver using a shorter Cat6, Cat6A, or Cat7 network cable.

Why does the power indicator continue flashing?

- Verify that the network cable is wired according to the IEEE 568B standard.
- Make sure the HDMI source device is properly connected to the transmitter.
- Reset the transmitter or receiver, then reconnect the devices.

Why is the receiver's power indicator steady, but no image appears?

- Press the Reset button on the receiver.
- Confirm that the display device is securely connected to the receiver's HDMI output.
- Reconnect the network cable or disconnect and reconnect power to the transmitter.

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