备注

H22079（ORE01）说明书：0106020147639

材质：100克书纸
尺寸：111x146mm
装订方式：骑马钉

OREI®

4K@60Hz 4X1 HDMI KVM Extender Switch

www.orei.com

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OREI®

4K@60Hz 4X1 HDMI KVM Extender Switch

USER MANUAL

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Table of Contents

Thank you for purchasing this product

For optimum performance and safety, please read these instructions care-fully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Registration page

Introduction

Please Activate your warranty by registering your product through the link below - **www.orei.com/register**

Technical Support
Need Help?
Our experienced Technical Support Team is here for you to answer your questions, give technical advice or help troubleshoot your project to get you installed on time and on budget. Call, email or chat with us now.

OREI Live Technical Support Hours
US team (US/Canada/Mexico): Monday-Friday, 9 a.m. - 6 p.m. Central Time
Support Email - info@orei.com | **Support Number** - 877-290-5530

Or
Chat Live on www.orei.com
Send us an instant message now. Our Technical Support Team will respond momentarily. Available during live support hours.

This is a 4K@60Hz 4X1 HDMI KVM Switch which supports 4 HDMI signal inputs and 1 HDMI signal output. It supports one set of keyboard and mouse to control 4 computers and share 1 monitor, conveniently switch among games, movies, TV shows and other contents. Users can easily control the KVM switch via RS-232 port, remote control and the panel button. This product can be widely used in security monitoring, education and training, exhibitions and broadcasting, command centers, etc. （此处要提供新的描述）

Features

1. 4K@60Hz resolution and backwards compatibility
2. Support 4 HDMI signal input, and extend the HDMI signal to 70 meters through CAT6 and above network cables
3. RJ45 output to transmit HDMI signals to receiver
4. Multiple switching modes: IR remote control, button, RS-232
5. KVM function for USB2.0 devices
6. EDID passthrough and auto downscaling
7. HDR10 supported
8. Lightning protection, surge protection, ESD protection

Package Contents

1 x UHD41-EX230-KVM TX Switch
1 x UHD41-EX230-KVM RX Switch
2 x Power 5V1A
1 x User Manual
1 x Remote Control
4 x Mounting Ear
10 x Screw
4 x Grounding Screw
1 x Terminal block
4 x USB 2.0 Type A to Type B Cable

Function setting

RS-232 control

Baud rate: 9600

Data bits: 8

stop character: 1

Parity: none

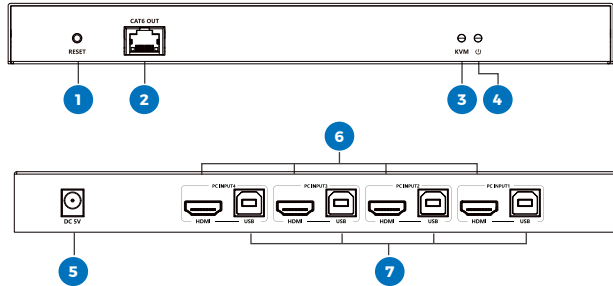| /	HDMI1 input	HDMI2 input	HDMI3 input	HDMI4 input
PS1XR\n	PS11R	PS12R	PS13R	PS14R
Reset\n	Restart the device			
Recover\n	Restore factory setting			
Status\n	Query for status information If no HDMI port is inserted, NA is displayed. PS12R is displayed if HDMI 2 was the last to be inserted. Status： Baud 9600 PS12R OK			
Baud XX\n	Set baud rate value: 9600 (default)			

Specifications

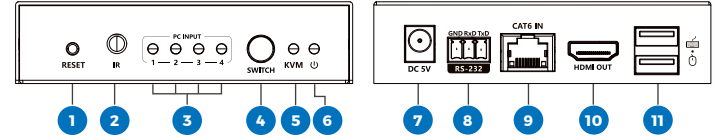|	Item	Specification
Power supply	Voltage/Current	DC 5V/1A
	Power consumption	TX<4W RX<4W
HDMI Performance And Interface	HDMI compliance	HDMI 2.0 (HDR, YUV4:4:4)
	HDCP compliance	HDCP 2.2, and HDCP1.4
	HDMI resolution	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz, 3840x2160@24/25/30/50/60Hz, 4096x2160@24/25Hz, 1280x960, 1280x800, 1280x768, 1680x1050, 1360x768, 1366x768, 1600x900, 1024x768, 800x600, 3440x1440, 2560x1600, 2560x1440, 1920x1200
	Supports audio formats	LPCM7.1/DTS-HD/DTS-Audio/Dolby Digital plus/Dolby TrueHD 5.1/Dolby Digital/Dolby Atmos
	Transmission speed	18Gbps
	Video bandwidth	600MHz
HDMI port	HDMI input x4	
RJ45 port	RJ45 port x1	
RS-232	3 pin（GND/RxD/TxD）, baud rate 9600	
Transmission Distance	CAT6/6A/7	≤70m ≤40m: 4096x2160@24/25/30Hz, 3440x1440, 2560x1600, 2560x1440

Protection Lever	Electrostatic protection of the whole machine	Electrostatic protection 1a Contact discharge level 2 1b Air discharge level 3 Implementation of the standard: IEC61000-4-2 lightning protection, surge protection
Operating Environment	Working temperature	-20~60℃
	Storage temperature	-30~70℃
	Humidity (no condensation)	0～90%RH
Body properties	Dimension	TX：250(L) x 80(W) x 25(H)mm RX：106(L) x103(W) x25(H)mm
	Material	Iron
	Color	Black
	Weight	TX: 542g RX: 298g

Operation controls and functions

1 **Reset :** Press the reset key to restart the device

2 **RJ45 output :** Connect with CAT6/6A/7 network cable

3 **KVM indicator (blue) :** 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

4 **Power/Signal indicator (orange) :** Light off: no power
Slow flash (every 1 second): there is power, but no HDMI signal
Quick flash (every 200ms): the HDMI signal is connecting
Steady on: the HDMI signal is transmitting

5 **DC 5V :** Connect with DC5V/1A power adapter

6 **HDMI input :** Connect with HDMI source device

7 **USB (Type-B) :** Connect to the computer's USB ports with USB cables
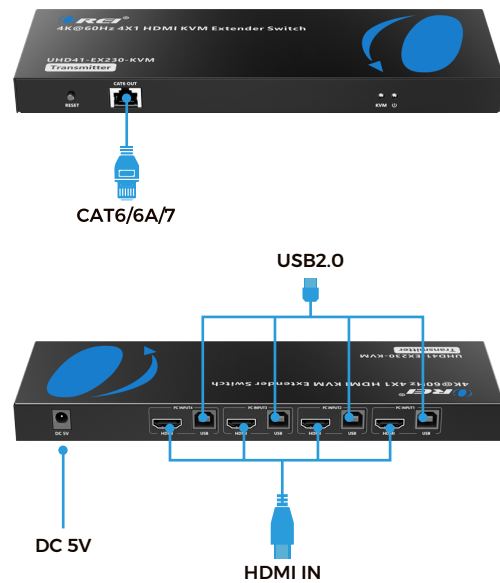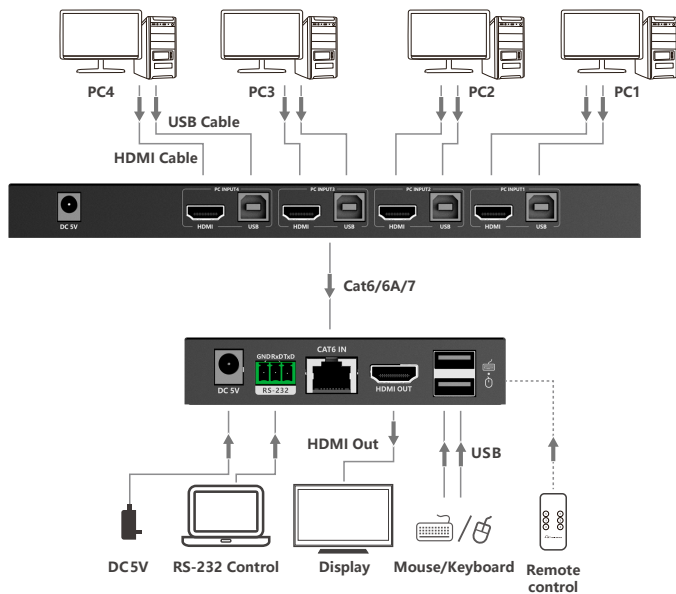
Operation controls and functions

1 **Reset :** Press the reset key to restart the device

2 **IR receiving window :** Receive IR signal

3 **HDMI input indicator :** Corresponding to HDMI input 1, 2, 3, 4 respectively

4 **Switch button :** Press the button to switch the input of the signal source

5 **KVM indicator (blue) :** Light off: the keyboard/mouse and the USB port have not established a connection
Steady on: the keyboard/mouse and the USB port are connected
Light flashing: the KVM data is transmitting

6 **Power/Signal indicator (orange) :** Light off: no power
Slow flash (every 1 second): there is power, but no HDMI signal
Quick flash (every 200ms): the HDMI signal is connecting
Steady on: the HDMI signal is transmitting

7 **DC 5V :** Connect with DC5V/1A power adapter

8 **RS-232 :** For RS-232 command control

9 **RJ45 input :** Connect with CAT6/6A/7 network cable

10 **HDMI output :** Connect with HDMI display device

11 **USB(Type-A) :** Connect with keyboard and mouse

Description

Connection Diagrams

PC4   PC3   PC2   PC1

USB Cable

HDMI Cable

DC 5V   PC INPUT4   PC INPUT3   PC INPUT2   PC INPUT1

HDMI   USB   HDMI   USB   HDMI   USB   HDMI   USB

Cat6/6A/7

GND RxD TxD   CAT6 IN

DC 5V   RS-232   HDMI OUT

DC 5V   RS-232 Control   HDMI Out   Display   USB   Mouse/Keyboard   Remote control

4K@60Hz 4X1 HDMI KVM Extender Switch

UHD41-EX230-KVM

Transmitter

RESET   CAT6 OUT   KVM

CAT6/6A/7

USB2.0

4K@60Hz 4X1 HDMI KVM Extender Switch

UHD41-EX230-KVM

Transmitter

DC 5V   PC INPUT4   PC INPUT3   PC INPUT2   PC INPUT1

DC 5V

HDMI IN

Connection Diagram

DC 5V

RS-232

CAT6/6A/7

HDMI OUT

USB 2.0 Device