



## 2 Port 8k HDMI KVM Switcher

This is a 2x1 HDMI/DP KVM Switcher with dual channel switching and hotkey switching. It supports resolutions up to 4K@60Hz 4:4:4 8bit and can transmit USB 3.0 signal up to 5Gbps for KVM function. It can share two monitors and USB devices between two PCs and supports two modes of operation.

The switcher features a virtual interaction function to automatically wake up the connected PC in standby mode, which can reduce the switching time. It also supports direct switching through buttons on the front panel, IR remote, and hotkeys through the keyboard/mouse connected to the special USB port. It provides a wide compatibility choice for different operating systems, such as Windows, Mac OS, and Linux, with no driver required and simple plug-and-play.

### Feature Highlights

- HDCP 2.3 compliant
- Support Ultra-wide Screen, resolution up to 8K@60Hz, 4K@120Hz/144Hz, 1080P@240Hz
- Support VRR, ALLM, QMS, QFT, SBTM as specified in HDMI 2.1
- HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through
- Using only 1 set of keyboard, mouse and monitor to control 2 computers
- Support video fast switching, and keyboard/mouse seamless switching
- Each input port has an EDID emulator to provide the correct information for the PC
- Support hot plug, disconnect or connect devices to the KVM at any time
- Switching via front panel buttons, keyboard/mouse hotkeys, IR remote control, and RS-232 commands
- Support auto switching
- Advanced hardware/software design and production ensure zero latency
- The integrated USB 3.0 ports allow you to share USB peripherals like printer, scanner, webcam and hard disk between computers with data transfer rate up to 5Gbp/s
- Compact design for easy and flexible installation

**TECHNICAL**

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	40Gbps
Audio Latency	No Latency
Video Latency	No Latency
Video Resolution	Up to 8K@60Hz, 4K@120Hz/144Hz, 1080P@240Hz
IR Level	5Vp-p
IR Frequency	Fixed frequency 38KHz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12bit
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
CEC	Support
Audio Formats	<b>HDMI IN/OUT:</b> LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X, DSD <b>L/R OUT:</b> <b>PCM 2.0CH</b>
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

**CONNECTIONS**

<b>Input:</b>	4 x HDMI input [Type A, 19-pin female]
<b>Output:</b>	1 x HDMI output [Type A, 19-pin female] 1 x L/R audio output [3.5mm Stereo Mini-jack]
<b>Control:</b>	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack] 4 x USB HOST [USB Type B] 4 x USB DEVICES [USB Type A]

**MECHANICAL**

<b>Housing</b>	Metal Enclosure
<b>Color</b>	Black
<b>Dimension</b>	270mm [W] x 100mm [D] x 30mm [H]
<b>Weight</b>	756g
<b>Power Supply</b>	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
<b>Power Consumption</b>	Typical value: 5.28W Standby mode: 0.72W
<b>Operation Temperature</b>	032 - 104°F / 0 - 40°C
<b>Storage Temperature</b>	-4 - 140°F / -20 - 60°C
<b>Relative Humidity</b>	20~90% RH (non-condensing)

**RECOMMENDED HDMI CABLES**

<b>VIDEO RESOLUTION</b>	8K60/8K30/4K120	4K60	1080P
<b>HDMI CABLE TYPE</b>	Ultra HDMI 2.1 cable	HDMI cable	HDMI cable
<b>HDMI CABLE LENGTH (HDMI IN/ OUT)</b>	2m/6.6ft	5m/16ft	10m/33ft

The use of "Premium High Speed HDMI" cable is highly recommended.

**Classic Application Example**
