

HDMI 2-Input Port KVM Switcher
8K@60

2 PC Host HDMI USB KVM

KVM-2X1HDMI8K

The KanexPro KVM-2X1HDMI8K is a 2x1 KVM Switcher with hotkey switching. It supports resolutions up to 8K@60Hz 4:2:0 10bit and can also transmit USB 3.0 signal up to 5Gbps for KVM function. The switcher features virtual interaction function, so that it can automatically wake up the connected PC that is in standby mode, which can reduce the switching time.

It also supports direct switching through buttons on the front panel, IR remote, and hotkey through 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, no driver required and simple plug and play.

Applications:

An HDMI 2-Input Port KVM Switch allows users to control two computers or devices using a single set of peripherals (keyboard, video display, and mouse), typically with HDMI video for high-definition or ultra-high-definition displays. This kind of KVM switch is highly beneficial in scenarios where two systems need to share the same setup, making it ideal for both professional and personal applications. Here are some applications for an HDMI 2-Input Port KVM Switch:

- 1. Dual-PC Workstations
- 2. Multimedia and Video Production
- 3. Gaming and Streaming
- 4. IT Administration and Server Management
- 5. Remote Workstation Setup
- 6. Financial Trading
- 7. Software Development and Testing
- 8. Education and Training Labs
- 9. Home Entertainment Systems
- 10. Scientific and Data Research



Key Benefits of Using an HDMI 2-Input Port KVM Switch:

- Space Efficiency
- Cost-Effective
- Productivity Boost
- Clean Workspace

FEATURES

- 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

SPECIFICATIONS

TECHNICAL	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	40Gbps
Video Resolution	Up to 8K@60Hz, 4K@120Hz/144Hz, 1080P@240Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Audio Latency	No Latency
Video Latency	No Latency
Color Depth	8/10/12 bit
IR Level	5Vp-p
IR Frequency	Fixed frequency 38KHz
CEC	Supports
Audio Formats	HDMI IN/OUT: 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 L/R OUT: PCM 2.0CH
HDR	HDR, HDR 10, HDR 10+, Dolby Vision, HLG
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection	
Input ports	2 x HDMI input [Type A, 19-pin female]
Output ports	1 x HDMI output [Type A, 19-pin female] 1 x L/R audio output [3.5mm Stereo Mini jack]
Control ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack] 2 x USB HOST [USB Type B] 4 x USB DEVICES [USB Type A]

Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	175mm [W] × 100mm [D] × 30mm [H]
Weight	506g
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	Typical value: 7W Standby mode: 0.7W
Operating Temperature	32 - 104°F / 0°C - 40°C
Storage Temperature	-4°F - 140°F / -20°C - 60°C
Relative Humidity	20 - 90% RH (Non-Condensing)
Video Resolution	8K60/8K30/4K120 4K@60 1080P@60
HDMI Cable Type	Ultra HDMI 2.1 cable HDMI HDMI cable
HDMI Cable Length (HDMI IN / OUT)	2m/6.6ft 5m/16ft 10m/33ft
The use of "Premium High-Speed HDMI" cable is highly recommended.	

APPLICATION DIAGRAM

