D2H-4P

4-Port DisplayPort IN and HDMI Out KVM Switch

FIRST DP VIDEO EMULATION KVM DEVICE ON THE MARKET!

D2H-4P

COMPUTER 1 2 3 4 ◀ M1 M2 ▶

4 Port 4K DP To HDMI KVM Switch USB 2.0 and Audio

Smart-AVI

4K Ultra-HD DisplayPort to HDMI KVM switch with USB 2.0 keyboard-mouse and audio sharing.

FEATURES

- Full EDID DP video emulation via HDMI output
- KVM control between four connected computers from a single workstation
- Supports resolutions up to 4K (3840x2160 @30Hz)
- DisplayPort 1.2 and HDMI compliant
- Zero pixel loss with TMDS signal correction
- Supports all USB 2.0 devices, including keyboard and mouse
- Supports Windows, Mac and Linux
- Optionally rack mountable

- Hot key commands for quick channel selection
- Independent (asynchronous) switching of KVM and peripheral USB ports. Users can scan a document and save in another computer
- Complete KVM emulation for error free booting
- Front panel keys for manual switching
- Full HDMI support and backwards compatible with prior DisplayPort versions

MADE IN THE USA

4K/2K

HD ready 1080p

Smart-AVI

SMART AUDIO VIDEO INNOVATION

OVERVIEW

D2H-4P is a dedicated multi-platform KVM switch capable of managing four 4K computers through a single KVM workstation. Built with ultra-HD ready HDMI outputs, the D2H-4P is the first Displayport switch on the market to offer full video emulation directly from the device. Up until now, DisplayPort switches lost emulated picture when disconnected from monitors, leading to confusion and disorganization upon reconnecting. With D2H-4P, full EDID-assisted HDMI video emulation ensures visual workspaces and screen resolutions are remembered every time: simple!

The D2H-4P is DisplayPort 1.2 and HDMI compliant, supporting screen resolutions up to 4K Ultra-HD (3840x2160 @ 30Hz) for remarkable and responsive video emulation. Additionally, the D2H-4P is USB peripheral-friendly, compatible with printers, keyboards, and mice. The D2H-4P is also easy to control with both a simple front-panel interface, as well as RS-232 functionality.

SOURCE SWITCHING MADE EASY

The D2H-4P offers simplified management between four DisplayPort equipped computers' USB 2.0 outputs. Keyboards, mice, and other connected USB devices can be switched between with ease. This dynamic KVM console can be controlled via hot keys or RS-232 commands, as well as directly through the console's easy-to-read front panel.

EDID PASS-THROUGH AND RECOGNITION

The D2H-4P features EDID Pass-Through technology and source recognition, which enables smooth and efficient switching in virtually any scenario. This plug-and-play EDID functionality makes set up hassle free and simple.

FULL USB KEYBOARD AND MOUSE EMULATION

The USB keyboard and mouse emulation utilized by D2H-4P provides quick source switching via keyboard hot keys. D2H-4P simulates the presence of a keyboard and mouse for every attached computer through a USB cable. This essential function simulates keyboard, video, and mouse control for all connected computers, so switching between each is kept seamless and completely uninterrupted.

REAL-WORLD APPLICATIONS

The D2H-4P has a broad range of applications, but the main function is to centralize the access of up to four computers that support DisplayPort displays in a single workstation. Not only does it function as a KVM console, but it also supports USB 2.0 functionality. This allows users to access nearby USB device, including those not supported by other KVM switches. The D2H-4P is the ideal solution for medical, industrial, studio and defense applications, where it is not practical or safe to have multiple CPUs in the vicinity of the workstation.

- Server Hubs
- Retail Spaces
- Educational Facilities
- Airports
- Dealer Rooms

- Hospitals/Medical Care
- Control Rooms
- Audio/Visual Presentation Spaces
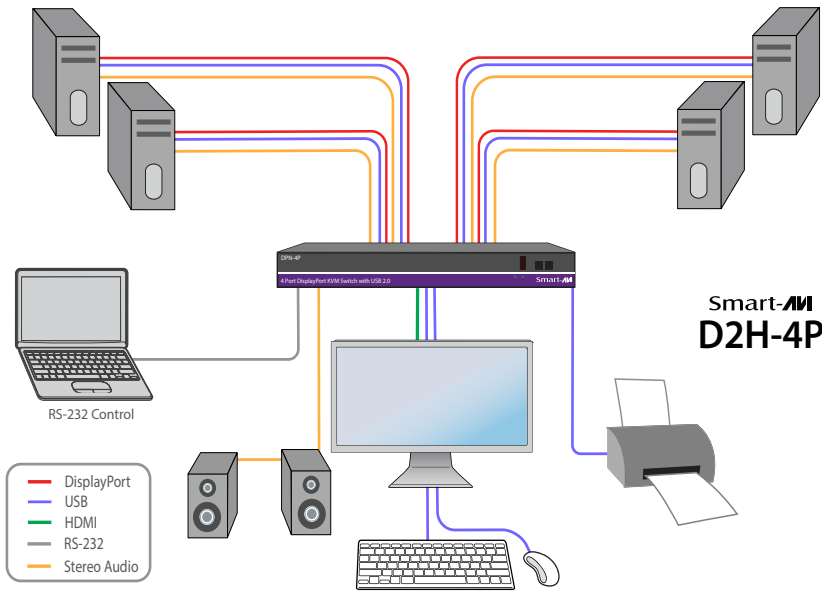- Restaurants and Eateries
- Hotels/Resorts

FLEXIBLE CONTROL

USB/KEYBOARD: Hot keys enable the user to switch and control all the different functions of the KVM switch.

RS-232: Any external device or program supporting RS-232 can control the D2H-4P. The D2H-4P uses a very simple protocol that enables easy integration with other devices.

FLEXIBLE SHARING

INDEPENDENT SIMULTANEOUS DEVICE SELECTION: Flexibility is key with the D2H-4P. It enables the use of a USB keyboard and mouse of one computer while other USB peripherals such as scanners and printers are connected to other computer sources. D2H-4P maintains the ability to switch all connected devices to any one of the computer sources as with any other KVM switches.

DIAGRAM

RS-232 Control

- DisplayPort
- USB
- HDMI
- RS-232
- Stereo Audio

Smart-AVI
D2H-4P

D2H-4P Front

D2H-4P Rear

SPECIFICATIONS

VIDEO	
Link Rate	5.4 Gbps/lane
Input Interface	(4) DisplayPort (female) Version 1.2
Output Interface	(1) HDMI (female) Version 1.4
Resolution	Up to 4K (3840x2160 @30Hz)
Input Equalization	Automatic
Video Bandwidth	10.2Gbps
HDCP Compliant	Yes
Input/Output Max Cable Length	40 ft (depending on cable quality)

AUDIO	
Input Interface	(4) 3.5mm stereo audio jack
Output Interface	(1) 3.5mm stereo audio jack
Frequency Response	20Hz ~ 20KHz
Common Mode	Rejection @ 60dB
Nominal Level	0.0 to 1.0 V

CONTROL	
Front Panel	Buttons (SELECT audio/video source)
RS-232	Via Control @ 9600 bps
Hot Keys	Via Keyboard
Emulation	Keyboard, Video and Mouse

USB	
Signal Type	USB 2.0, 1.1, and 1.0 w/ internal hub
Input Interface	(4) USB Type B (female)
Device Input Interface	(2) USB 1.1 Type A (female) for keyboard-mouse
	(2) USB 2.0 Type A Transparent

OTHER	
Power	External 100-240 VAC/ 5VDC2A
Dimensions	2" H x 5.75" D x 12.75" W
Weight	3.55 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temp.	+23 to +95°F (-5 to +35°C)
Storage Temp.	-4-185°F (-20-85°C)
Humidity	5 to 90% (No Condensation)

ORDERING INFORMATION	
Part No.	**Description**
D2H-4P-S	4-Port DisplayPort In and HDMI Out KVM Switch. Includes: [D2H-4P & (PS5VDC2A)]

Designed and Manufactured in the USA

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