D2H-4P-DUO

4-PORT DISPLAYPORT IN AND 2-PORT HDMI OUT KVM SWITCH

4-PORT DP KVM SWITCH WITH 4K ULTRA-HD HDMI VIDEO DUAL OUTPUT EMULATION

FEATURES

- Full EDID video emulation via HDMI outputs for dual screen displays
- 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
- Optionally rack mountable
- Supports Windows, Mac and Linux
- 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

APPLICATIONS

- Server Hubs
- Retail Spaces
- Educational Facilities
- Airports
- Dealer Rooms
- Hospitals/Medical Care
- Control Rooms
- Audio/Visual Presentation Spaces
- Restaurants and Eateries
- Hotels/Resorts

Designed and Manufactured in the USA

OVERVIEW

D2H-4P-Duo is a dedicated multi-platform KVM switch capable of managing four 4K computers through a single, central workstation. Built with ultra-HD ready HDMI outputs, the D2H-4P-Duo 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-Duo, full EDID-assisted HDMI video emulation ensures visual workspaces and screen resolutions are remembered every time: simple!

The D2H-4P-Duo 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-Duo is USB peripheral-friendly, compatible with printers, keyboards, and mice. The D2H-4P-Duo 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-Duo 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-Duo 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-Duo provides quick source switching via keyboard hot keys. D2H-4P-Duo 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-Duo 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-Duo 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.
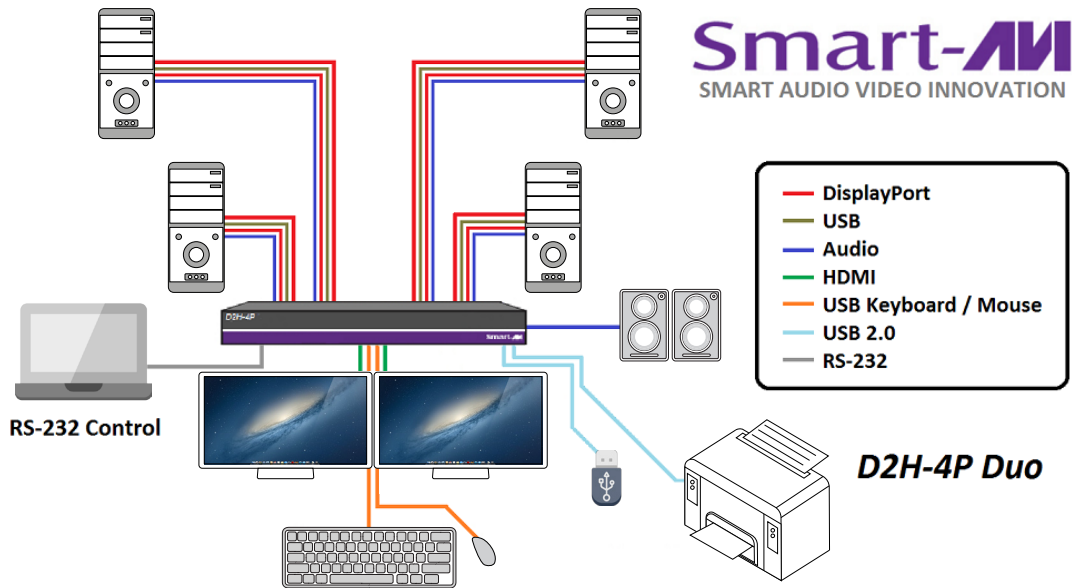
FLEXIBLE CONTROL

RS-232: Any external device or program supporting RS-232 can control the D2H-4P-Duo. The D2H-4P-Duo uses a very simple protocol that enables easy integration with other devices.
USB/KEYBOARD: Hot keys enable the user to switch and control all the different functions of the KVM switch.

FLEXIBLE SHARING

INDEPENDENT SIMULTANEOUS DEVICE SELECTION: Flexibility is key with the D2H-4P-Duo. 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-Duo maintains the ability to switch all connected devices to any one of the computer sources as with any other KVM switches.

APPLICATION DIAGRAM

- **DisplayPort**
- **USB**
- **Audio**
- **HDMI**
- **USB Keyboard / Mouse**
- **USB 2.0**
- **RS-232**

RS-232 Control

D2H-4P Duo

FRONT AND BACK

D2H-4P-Duo Rear

D2H-4P-Duo Front

TECHNICAL SPECIFICATIONS

VIDEO	
Format	DisplayPort 1.2, HDMI
Link Rate	5.4 Gbps/lane
Input Interface	(4) DisplayPort (female)
Output Interface	(2) HDMI (female)
Resolution	Up to 3840x2160 (@30Hz)
DDC	Faux transaction mode option over Aux channel
Input Equalization	Automatic
Bandwidth Frequency	10.2Gbps

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

CONTROL	
Front Panel	Tactile Switches, with Seven Segment Display
RS-232	Via Control @ 9600 bps
Hot Keys	Via Keyboard
Emulation	Keyboard, Video and Mouse

OTHER	
Power	External 100-240 VAC/ 5VDC4A @ 20W
Consumption	20 W (Max)
Dimensions	1.75" H x 6" D x 12" W
Weight	3.5 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temp.	-5 to +35°C (+23 to +95°F)
Storage Temp.	-4 to 185°F (-20 to 85°C)
Humidity	5 to 90% (No Condensation)

PART NO.	DESCRIPTION
D2H-4P-Duo-S	4-Port DisplayPort In and 2-Port HDMI Out KVM Switch. Includes: [D2H-4P-Duo & (PS5VDC4A)]

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