

## TECHNICAL SPECIFICATIONS

VIDEO	
Link Rate	5.4 Gbps
Input Interface	(16) DisplayPort (female) Version 1.2
Output Interface	(4) HDMI (female) Version 1.4
Resolution	Up to 4K (3840x2160 @ 30Hz)
Input Equalization	Automatic
Video Bandwidth	Single-link 340MHz [10.2Gbps]
HDCP Compliant	Yes
Input/Output Max Cable Length	40 ft.
CONTROL	
Front Panel	Buttons, Select/Switch between sources and view the current selected channel.
RS-232	DB9 Female - 9600 N,8,1, No flow control
Hot Keys	Via Keyboard, Select/Switch between Video & Audio sources
Emulation	Keyboard, Video and Mouse
OTHER	
Power Adapter	External 100-240 VAC/ 5VDC4A
Dimensions	4.5" H x 5.75" D x 12.75" W
Weight	5.75 lbs.
Operating Temp.	+23 to +95 °F (-5 to +35 °C)
Operating Humidity	5 to 90% (No Condensation)
Storage Temp.	-4 to -185 °F (-20 to -85 °C)
Storage Humidity	10% to 85% (no condensation)
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 female Transparent
AUDIO	
Input Interface	(4) 3.5 mm Stereo Audio
Output Interface	(1) 3.5 mm Stereo Audio
Impedance	600 Ohm
Frequency Response	20 Hz to 20 kHz
Nominal Level	0-1.0 V
Common Mode	Rejection at 60 dB

## WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
D2H-4P-QUAD	1	4-Port Quad DisplayPort KVM Switch with Audio and USB 2.0 Sharing
PS5VDC4A	1	Power Adapter External 100-240 VAC/5VDC4A
BRK-QUAD	2	Rack mount brackets (Optional)
	1	Quick Start Guide

Brackets for mounting this device in a standard 19" rack may be optionally ordered from Smart-AVI.



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SMART AUDIO VIDEO INNOVATION

## D2H-4P Quad

4-Port Quad DisplayPort KVM Switch with USB 2.0 and Audio Sharing



Access and control KVM on up to 4 computers with USB 2.0 and Audio Sharing, using one USB keyboard, one USB mouse and 4 DisplayPort monitors

Quick Start Guide

## INTRODUCTION

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

The D2H-4P-Quad is DisplayPort 1.2 and HDMI 1.4 compliant, supporting screen resolutions up to 4K Ultra-HD (3840x2160 @ 30Hz) for remarkable and responsive video emulation. Additionally, the D2H-4P-Quad is USB peripheral-friendly, compatible with printers, keyboards, and mice. The D2H-4P-Quad 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-Quad offers switching between four DisplayPort equipped computers. 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.

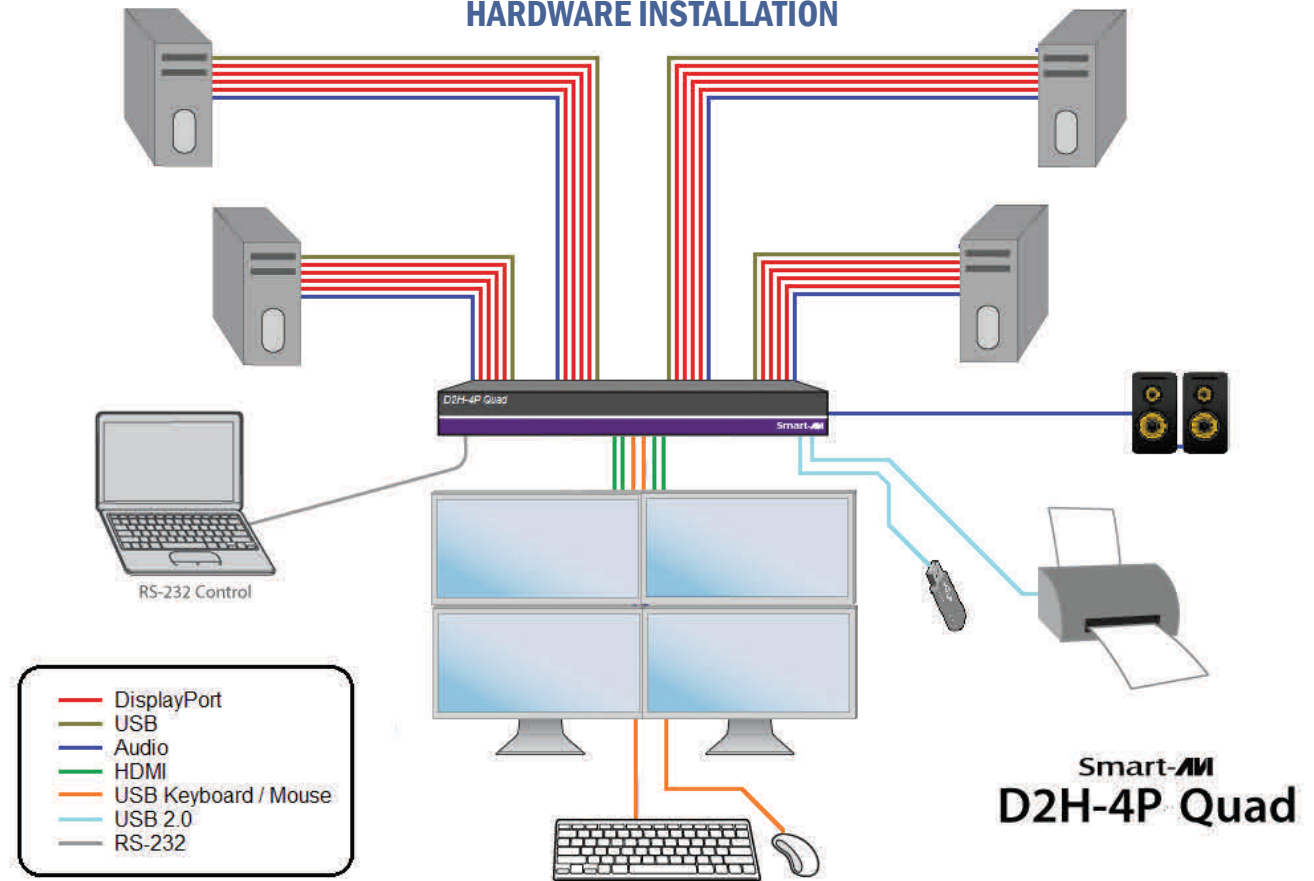
### EDID PASS-THROUGH AND RECOGNITION

The D2H-4P-Quad 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-Quad provides quick source switching via keyboard hot keys. D2H-4P-Quad 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.

## HARDWARE INSTALLATION



1. Turn off all devices.
2. Connect speakers to the audio out jack on the D2H-4P Quad.
3. Connect a USB keyboard and Mouse to the USB ports marked with keyboard and mouse symbols.
4. Connect up to 4 computers with USB Type A to USB Type B cables to the D2H-4P Quad.
5. Connect up to 4 computers with 3.5 mm stereo audio cables to the D2H-4P Quad.
6. Connect up to 4 computers with up to 4 DisplayPort outputs each to the D2H-4P Quad.
7. Connect up to 4 Monitors with HDMI Cables to the D2H-4P Quad.
8. Optionally connect an RS-232 straight thru cable to the D2H-4P Quad for additional control.
9. Turn on all connected devices except for the D2H-4P Quad.
10. Turn on the D2H-4P Quad.

