

DPN-4Duo

4-Port Dual-Head DisplayPort 1.2 KVM Switch with USB 2.0 Sharing



**UNINTERRUPTED
USB KEYBOARD & MOUSE
EMULATION**

Access & control four computer from a USB keyboard, mouse, and two local DisplayPort monitors at resolutions up to 4K.

FEATURES

- Control USB keyboard-mouse functions of up to four computers with DisplayPort Connectors
- Dual-head DisplayPort 1.2 connectors configured for local output with two monitors
- Supports resolutions up to 4K (3840x2160 @ 30Hz)
- Zero pixel loss with TMDS signal correction
- Supports all USB 2.0 devices, including keyboards, mice, and transparent peripherals (printers, hard drives, etc...)
- Front panel buttons for easy manual switching
- Supports RS-232 control
- Supports Hot Key commands and switching
- Independent, asynchronous switching for KVM and peripheral USB ports (for example, users can scan documents and save them on another computer)
- EDID Pass-Through (no emulation support)
- Supports HDMI & DVI via adaptors
- Backwards compatible with prior DP versions
- Mountable on a standard 19" rack
- Plug-and-Play for immediate use
- Supports Windows, Mac and Linux



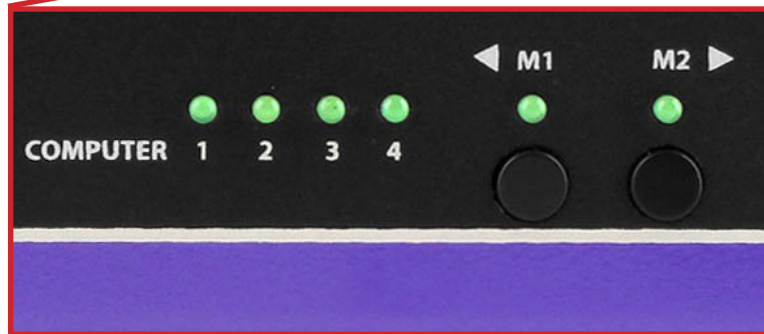
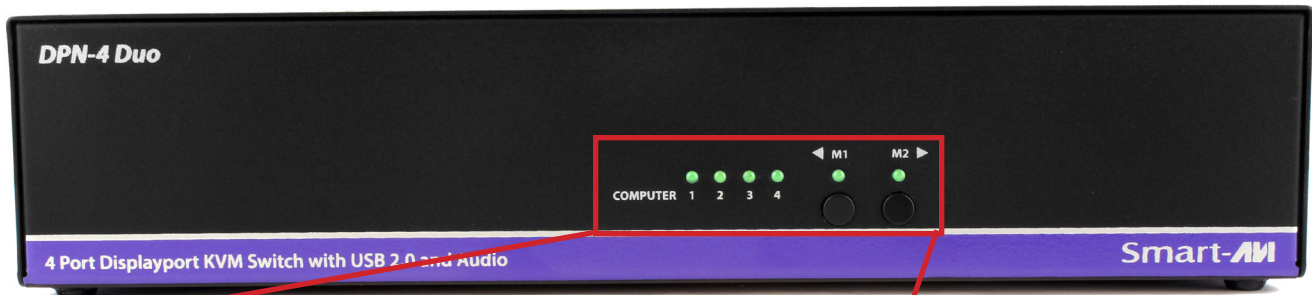
4K/2K

Smart-AVI
SMART AUDIO VIDEO INNOVATION

OVERVIEW

DPN-4Duo is a dedicated multi-platform KVM switch ideal for managing up to four remote computers' keyboard and mouse functions, with access to 4K DisplayPort 1.2 video via dual-head connectors. The dual-head DP video configuration of the DPN-4Duo allows users to access remote systems' visuals using two local monitors at resolutions up to 4K (3840x2160 @ 30Hz). HDMI and DVI video connections are also supported via adaptors (sold separately), and the device is backwards compatible with prior DisplayPort versions.

The DPN-4Duo features USB keyboard-mouse emulation, which enables immediate hot key source switching. In addition, the DPN-4Duo offers asynchronous independent switching with both the KVM and peripheral USB ports, allowing users to save documents and files from scanners, printers, hard drives, and more on connected computer systems.



The DPN-4Duo features easy methods of control & switching, including simple front panel buttons and LED indicators for managing KVM control of any four connected computers.

FEATURES & ADVANTAGES

SOURCE SWITCHING MADE EASY

The DPN-4Duo is a plug-and-play unit, meaning it is ready for immediate use once connected to a power supply. It offers flexible and easy methods of control via simple front panel push buttons, USB keyboard hot keys, and RS-232 commands.

EDID PASS-THROUGH

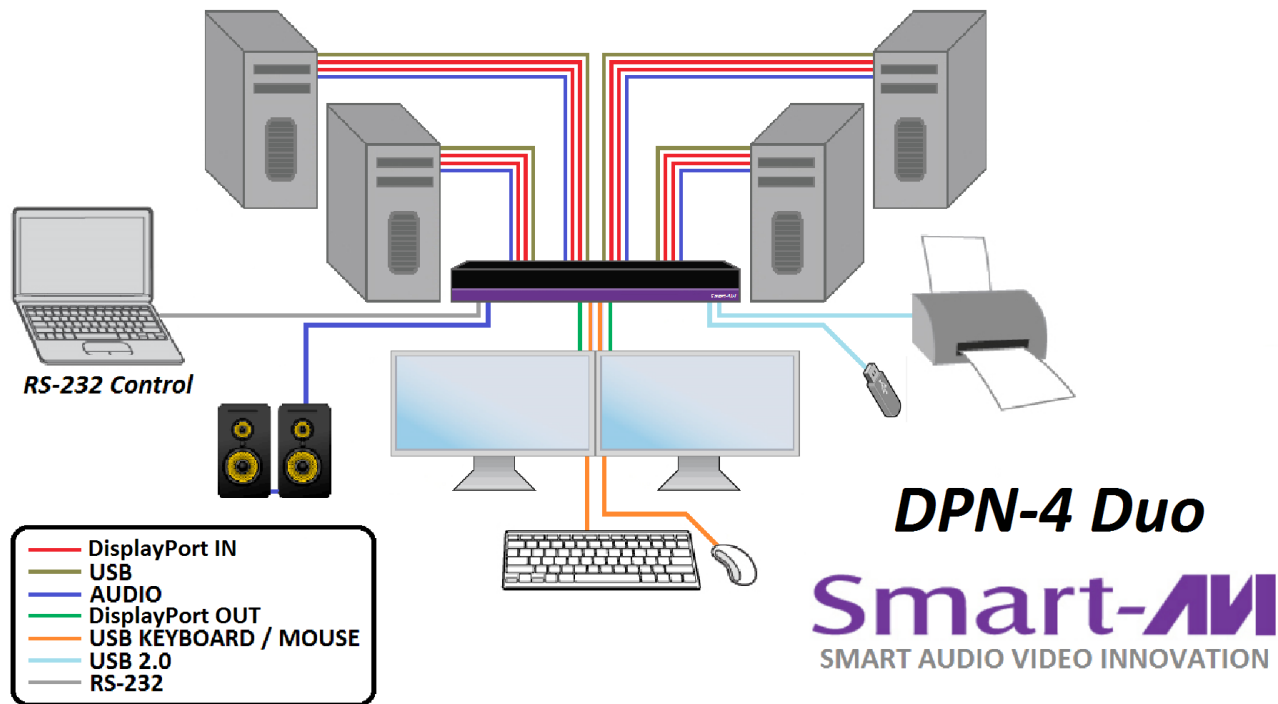
The DPN-4Duo features EDID Pass-Through technology, which allows the unit to learn display settings of an active local monitor for smooth and efficient switching in virtually any workflow management situation. The DPN-4Duo does not support EDID emulation.

USB KEYBOARD AND MOUSE EMULATION

The USB keyboard and mouse emulation utilized by DPN-4Duo provides quick source switching via keyboard hot keys. The DPN-4Duo simulates the presence of a keyboard and mouse for every attached computer through a USB cable. This is essential as it simulates the existence of the keyboard and mouse to all the computers in order to switch without interruptions.

DIAGRAM

The DPN-4Duo is plug-and-play & highly compatible with all USB devices:



APPLICATIONS OF DPN-4DUO

With its 4-port KVM functionality and dual-head 4K video output, the DPN-4Duo has a broad range of real-world applications for accessing & controlling up to four remote computers. The DPN-4Duo excels at:

- Server Collocation
- Workflow & Project Management
- Digital Signage Management
- Educational Supervision
- Traffic & Transportation Management
- Control Room Operations
- Audio/Video Presentations
- Hospital Systems Management
- ... and more!

While the main function of the DPN-4Duo is accessing & controlling remote computers' keyboard-mouse functions, the unit may also be used to connect USB devices to remote computers via the switch itself. This allows users to send and save files to remote systems from the convenience of the KVM set-up. This can save considerable time and hassle otherwise devoted to physically connecting peripherals to a computer or sending files over the Internet.

SPECIFICATIONS



DPN-4Duo Front



DPN-4Duo Rear

VIDEO	
Format	DisplayPort 1.2
Input Interface	(8) DisplayPort (female)
Output Interface	(2) DisplayPort (female)
Resolution	Up to 4K (3840x2160 @30Hz)
DDC	Faux transaction mode option over Aux channel
Input Equalization	Automatic
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	<M1 M2> Source SELECT buttons
RS-232	DB9 Female - 9600 N,8,1, No flow control
Hot Keys	Via Keyboard, Select/Switch between AV sources
Emulation	Keyboard and mouse only
OTHER	
Power	External 100-240 VAC/ 5VDC3A
Dimensions	2.875" H x 6" D x 12.75" W
Weight	4.4 lbs (unit only)
Approvals	UL, CE, ROHS Compliant
Operating Temp.	+23 to +95°F (-5 to +35°C)
Storage Temp.	-4 to 185°F (-20 to 85°C)
Humidity	Up to 90% (No Condensation)
Emulation	Keyboard and Mouse Only

ORDERING INFORMATION

Part No.	Description
DPN-4DUO-S	4-Port Dual-Head DisplayPort KVM Switch with USB 2.0 Sharing. Includes: [DPN-4Duo & (PS5VDC3A)]



Designed and Manufactured in the USA

www.smartavi.com

Tel: 800.AVI.2131 • 818.503.6200 • 11651
Vanowen St. North Hollywood, CA. 91605

Smart-AVI
SMART AUDIO VIDEO INNOVATION