Manuals+ — User Manuals Simplified.

Smart-AVI SM-D2H-4S 4 Port DP To HDMI KVM Switch User Guide

Contents

Smart-AVI SM-D2H-4S 4 Port DP To HDMI KVM Switch

Technical Specifications

Video

- Format: DisplayPort, HDMI
- Maximum Pixel Clock: 165 MHz
- Input Interface: (4) DisplayPort
- Output Interface: (1) HDMI
- Resolution: 3840 x 2160 @ 30 Hz
- DDC Input Equalization: Automatic
- Input Cable Length: Up to 20 ft.
- Output Cable Length: Up to 20 ft.

USB

- Signal Type: USB 2.0, 1.1, and 1.0 w/ internal hub
- Input Interface: (4) USB Type B
- Output Interface: (2) USB 1.1 Type A for KVM Devices, (2) USB 2.0 Type A Transparent

Audio

- Input: (4) 3.5 mm Stereo Audio
- Output: (1) 3.5 mm Stereo Audio

Power

- Power Requirements: 12V DC, 2A power adapter with center-pin positive polarity

Environment

- Operating Temperature: N/A
- Storage Temperature: N/A
- Humidity: N/A

Control

- Front Panel: Push Buttons with LED indicators
- RS-232: Via Serial @ 115200 bps
- Hot Keys: Via Keyboard

Other

- Emulation: Keyboard, Mouse and Video

What's in the Box

- Part No.: SM-D2H-4S
- Qty: 1

- Description: 4-Port DP-to-HDMI KVM Switch with Audio and USB 2.0 Support
- 12V DC, 2A power adapter with 1 center-pin positive polarity
- Quick Start Guide

WHAT'S IN THE BOX		
PART NO.	QTY	DESCRIPTION
SM-D2H-4S	1	4-Port DP-to-HDMI KVM Switch with Audio and USB 2.0 Support
PS12VDC2A	1	12V DC, 2A power adapter with center-pin positive polarity
	1	Quick Start Guide

NOTICE

The information contained in this document is subject to change without notice. SMART-AVI makes no war-ranty of any kind with regard to this material, includ-ing but not limited to, implied warranties of merchant-ability and fitness for particular purpose. SMART-AVI will not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this materi-al. No part of this document may be photocopied, reproduced, or translated into another language with-out prior written consent from SMART-AVI, Inc.

TECHNICAL SPECIFICATIONS

VIDEO	
Format	DisplayPort, HDMI
Maximum Pixel Clock	165 MHz
Input Interface	(4) DisplayPort
Output Interface	(1) HDMI

Resolution	3840 x 2160 @ 30 Hz
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
USB	
Signal Type	USB 2.0, 1.1, and 1.0 w/ internal hub
Input Interface	(4) USB Type B
Output Interface	(2) USB 1.1 Type A for KVM Devices (2) USB 2.0 Type A Transparent
AUDIO	
Input	(4) 3.5 mm Stereo Audio
Output	(1) 3.5 mm Stereo Audio
POWER	
Power Requirements	12V DC, 2A power adapter with center-pin positive polarity
ENVIRONMENT	
Operating Temp	32° to 104° F (0° to 40° C)

Storage Temp	-4° to 140° F (-20° to 60° C)
Humidity	0-80% RH, non-condensing
CONTROL	
Front Panel	Push Buttons with LED indicators
RS-232	Via Serial @ 115200 bps
Hot Keys	Via Keyboard
OTHER	
Emulation	Keyboard, Mouse and Video

HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use DP cables to connect the DP output ports from each computer to the corresponding DP IN ports of the unit.
3. Use a USB cable (Type-A to Type-B) to connect a USB port on each computer to the respective USB ports of the unit.
4. Optionally connect a stereo audio cable (3.5mm to 3.5mm) to connect the audio output of the computers to the AUDIO IN ports of the unit.
5. Connect monitors to the HDMI OUT console ports of the unit using HDMI cables.
6. Connect a USB keyboard and mouse in the two USB console ports.
7. Optionally connect stereo speakers to the AUDIO OUT port of the unit.
8. Finally, power on the KVM by connecting a 12VDC power supply to the power connector, and then turn on all the computers.

Note: You can connect up to 4 computers to the 4 port KVM.
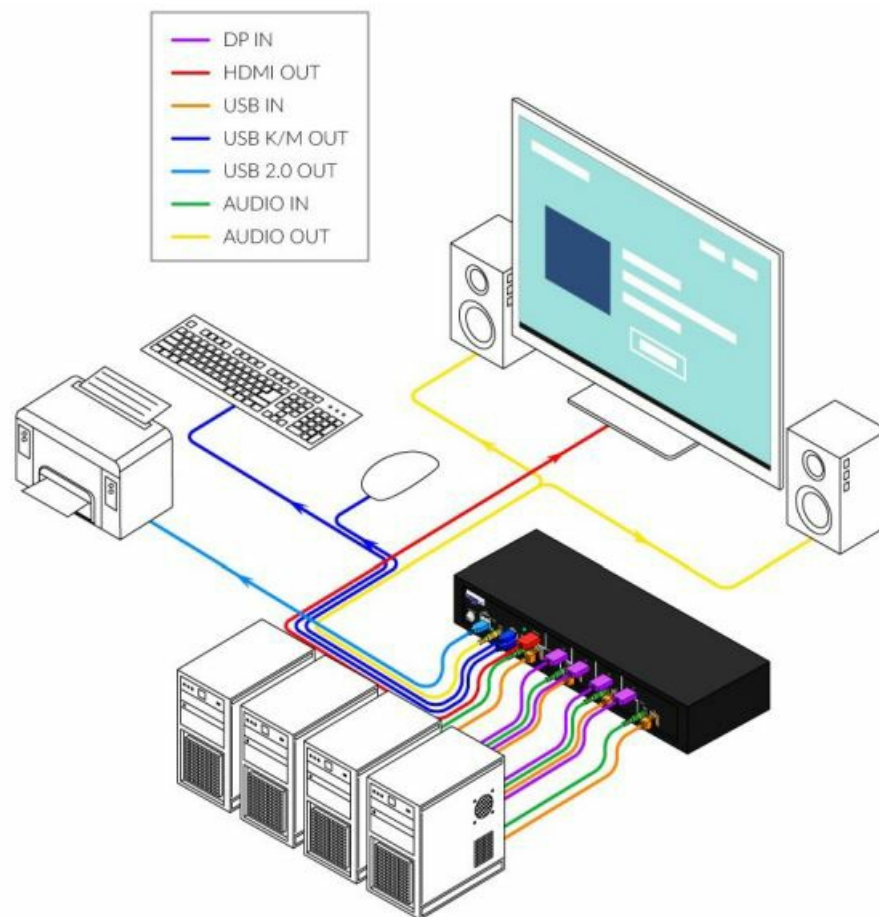
EDID LEARN

The KVM is designed to learn a connected monitor's EDID upon power up. In the event of connecting a new monitor to the KVM, a power re-cycle is required.

SYSTEM CONTROL

There are three ways to control the SM-DPN: Keyboard HotKeys, RS-232 Serial Commands, and Front Panel Buttons. The settings for the serial connection are as follows: Baud rate: 115200; **Data Bits**: 8; Parity: None; Stop Bits: 1; Flow Control: None.

Command	HotKey	RS-232
Switch KVM	[CT][CT][#]<CR>	//**m**[#]<CR>
Audio Only	[CT][CT]**a**[#]<CR>	//**a**[#]<CR>
KM Only	[CT][CT]**c**[#]<CR>	//**c**[#]<CR>
USB Only	[CT][CT]**u**[#]<CR>	//**u**[#]<CR>
Learn EDID	[CT][CT]**e** <CR>	//**e** <CR>
SW Reset	[CT][CT]**r**	//**r** <CR>
Status Query	N/A	//**??** <CR>
Current HK Trigger	[Alt][Alt][Alt] **k** 0 <CR>	//**hk** <CR>
Update HK Trigger	[HK][HK] **k** [1|2|3] <CR>	N/A

Chart Key

- [CT] = Ctrl
- <CR> = Carriage Return (Enter Key)
- [HK] = Current Hot Key Trigger
- 1 = Ctrl (Default) | 2 = Shift | 3 = Scroll Lock

A full Manual can be downloaded from **www.smartavi.com/SM-D2H-4S/**

- Toll Free: (800) AVI-2123
- Phone: (702) 800-0005 2455 W. Cheyenne Ave, Suite 112 North Las Vegas, NV 89032 **smartavi.com**

Documents / Resources

	Smart-AVI SM-D2H-4S 4 Port DP To HDMI KVM Switch [pdf] User Guide SM-D2H-4S, SM-D2H-4S 4 Port DP To HDMI KVM Switch, 4 Port DP To HDMI KVM Switch, DP To HDMI KVM Switch, HDMI KVM Switch, KVM Switch, Switch

References

- ⌁ **Home - SmartAVI**
- ⌁ **SM-D2H-4S - SmartAVI**
- **User Manual**