

TECHNICAL SPECIFICATIONS

VIDEO	
Link Rate	5.4 Gbps/lane
Input Interface	(4) HDMI (female) Version 1.4
Output Interface	(1) HDMI (female) Version 1.4
Resolution	480i to 4Kx2K @ 60Hz (YUV420)
Input Equalization	Automatic
Video Bandwidth	300 MHz, 10.2 Gbps
HDCP Compliant	Yes
Input/Output Max Cable Length	20 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	DB9 Female, 9600 bps, N, 8 1, No flow control
Hot Keys	Via Keyboard
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/ 5VDC4A @ 20W
Consumption	20 W (Max)
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 to 185 °F (-20 to 85 °C)
Humidity	5 to 90% (No Condensation)

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
UHDN-4PS	1	4-Port Ultra 4K-60Hz KVM Switch
PS5VD4A	1	Power Adapter
	1	Quick Start Guide

Brackets for mounting this device in a standard 19" rack can be ordered from SmartAVI.

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

UHDN-4P

**4-Port Ultra 4K-60Hz
KVM Switch
with USB 2.0 and Audio**



Touchboards

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Phone: 866-94 BOARDS (26273) / (732)-222-1511
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Quick Start Guide

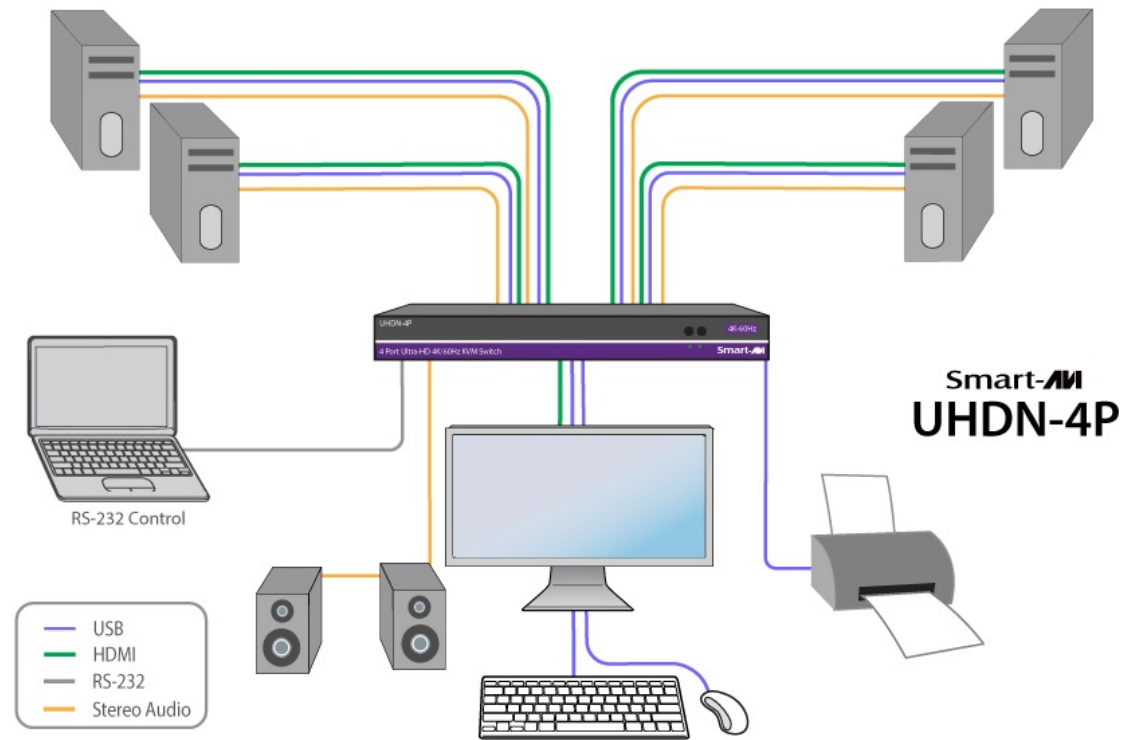
INTRODUCTION

The UHDN-4P is a dedicated multi-platform KVM switch capable of managing four 4K computers through a single KVM. Built with ultra-HD ready HDMI outputs, the UHDN-4P is the first HDMI KVM switch on the market to offer full 4K emulation at 60Hz directly from the device. Until now, HDMI switches lost emulated picture when disconnected from monitors, leading to confusion and disorganization upon reconnecting. With the UHDN-4P, full EDID-assisted HDMI video emulation ensures visual workspaces and screen resolutions are remembered every time.

The UHDN-4P is HDCP compliant, supporting screen resolutions up to 4K Ultra-HD (3840x2160 @ 60Hz) with responsive EDID emulation. Additionally, the UHDN-4P is compatible with any USB peripheral. The UHDN-4P is also easy to control with both a simple front-panel interface, as well as RS-232 or hot-keys.

FEATURES

- Supports all USB 2.0 devices.
- Hot key commands for quick channel selection.
- Complete KVM emulation for error free switching.
- Easy switching via front-panel, RS-232 or hot keys.
- Supports up to Ultra-HD 4K (3840x2160) @ 30/50/60Hz.
- Supports 3D.
- Supports LPCM, Dolby-AC3, DTS7.1, and DSD/ Dolby TrueHD/DTS-HD master audio.
- HDMI and HDCP compliant.
- Full EDID HDMI video emulation.
- Zero pixel loss with TMDS signal correction.



CONNECTING THE UHDN-4P

1. Ensure that power is disconnected from the UHDN-4P.
2. Connect the HDMI cables and USB cables (male-A to male-B) from the computers to the respective ports on the UHDN-4P.
3. Optionally connect audio cables from the computers to the respective ports on the UHDN-4P.
4. Optionally connect RS-232 for control functions.
5. Connect the USB keyboard and mouse to the two USB ports with keyboard and mouse symbols.
6. Optionally connect speakers to the UHDN-4P.
7. Optionally connect up to 2 USB peripheral devices such as printers or flash drives.
8. Connect the display monitor to the OUTPUT connector on the UHDN-4P.
9. Power on the UHDN-4P.

Front



Rear



COMMANDS	HOTKEYS	RS-232 CONTROL
Switch all devices (KVM, USB 2.0, and Audio)	[CTRL] [CTRL] m [port #] [ENTER]	//m [port #] [ENTER]
Switch KVM only	[CTRL] [CTRL] c [port #] [ENTER]	//c [port #] [ENTER]
Switch Audio only	[CTRL] [CTRL] a [port #] [ENTER]	//a [port #] [ENTER]
Switch USB 2.0 only	[CTRL] [CTRL] u [port #] [ENTER]	//u [port #] [ENTER]
EDID Learning	[CTRL] [CTRL] e [ENTER]	//e [ENTER]
Same as front panel ◀ M1 button	[CTRL] [CTRL] ↑	n/a
Same as front panel M2 ▶ button	[CTRL] [CTRL] ↓	n/a
Reset	[CTRL] [CTRL] r	//r
Factory Default Reset	[CTRL] [CTRL] f	//f