TECHNICAL SPECIFICATION

VIDEO

Link Rate	5.4 Gbps/lane
Input Interface	(4) HDMI (female) Version 2.0
Output Interface	(1) HDMI (female) Version 2.0
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) 3.5 mm Stereo Audio
Output Interface	(1) 3.5 mm Stereo Audio
Frequency Response	20Hz ~ 20KHz
Common Mode	Rejection @ 60dB
Nominal Level	0.0 to 1.0 V

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 K/M (2) USB 2.0 Type A Transparent

CONTROL

Front Panel	Buttons (SELECT audio/video source)
RS-232	DB9 Female - 115200, N, 8, 1, No flow control
Hot Keys	Via Keyboard
Emulation	Keyboard, Video and Mouse

OTHER

Power	External 100-240 VAC/ 5VDC4A
Dimensions	2" H x 5.75" D x 12.75" W
Weight	3.55 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temp.	32-131°F (0-55 °C)
Storage Temp.	-4-185 °F (-20-85 °C)
Humidity	Up to 95%

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
UHDN-4P-S	1	4-Port Ultra 4K-60Hz HDMI KVM Switch
PS5VD4A	1	PS5VD4A Power Supply
Quick Start Guide	1	

NOTICE

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

UHDN-4P

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

MANAGE 4 COMPUTERS FROM A SINGLE WORKSTATION

Quick Start Guide

SYSTEM CONTROL

There are three ways to control the UHDN-4P: 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**.

The following commands can be used:

Command	HotKey	RS-232
All USB, audio, video	`[CTRL][CTRL]` `[port#][ENTER]`	`//m[port#]` `[ENTER]`
Audio Only	`[CTRL][CTRL]` `a[port#][ENTER]`	`//a[port#]` `[ENTER]`
KM Only	`[CTRL][CTRL]` `c[port#][ENTER]`	`//c[port#]` `[ENTER]`
USB Only	`[CTRL][CTRL]` `u[port#][ENTER]`	`//u[port#]` `[ENTER]`
Learn EDID	`[CTRL][CTRL]` `e[ENTER]`	`//e[ENTER]`
Trigger Hotplug	`[CTRL][CTRL]` `h[ENTER]`	`//h[ENTER]`
Reset Software	`[CTRL][CTRL]r`	`//r[ENTER]`
Factory Defaults	`[CTRL][CTRL]f`	`//f[ENTER]`
Same as front panel ◄ M1 button	`[HK][HK]↑`	`N/A`
Same as front panel M2 ► button	`[HK][HK]↓`	`N/A`
Get Port Status	`N/A`	`//??[ENTER]`

CUSTOM HOTKEY TRIGGERS

Users are able to customize the keys that trigger Hotkeys. The following keys are allowed:

```
CTRL (Left / Right), ALT, SHIFT (Left / Right),
Caps Lock, Scroll Lock, F1-F12
```

Change HK Trigger
`HK + HK + X + desired hotkey`

View Current HK Trigger
Use the RS-232 command: `//??[ENTER]`
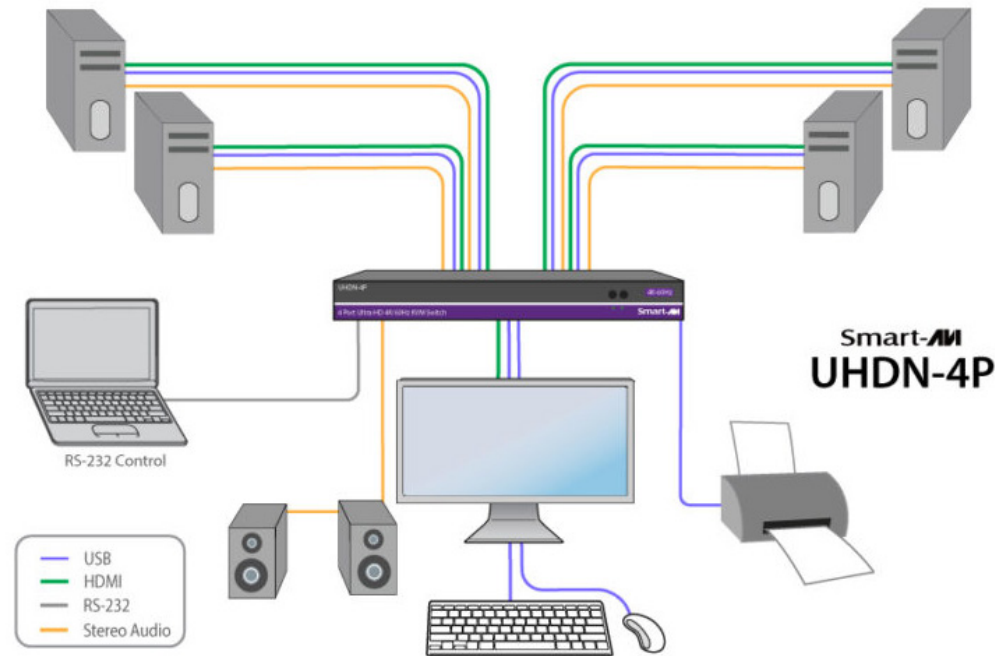
Reset HK Trigger
Run "Factory Defaults" command.

Default HotKey Trigger
`CTRL (Left)`

HARDWARE INSTALLATION

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.

UHDN-4P FRONT

UHDN-4P BACK