UNINTERRUPTED USB, KEYBOARD & MOUSE EMULATION

DVN-4Trio-DL

4-Port Dual-Link KVM Triple Display DVI-D Switch with USB 2.0 Sharing

Access and Control Four Dual-Link Triple Display Computers Using Only One USB Keyboard and One USB Mouse

MADE IN THE USA

MEMBER OF HDCP GROUP

HD ready 1080p

Smart-AVI
SMART AUDIO VIDEO INNOVATION

OVERVIEW

DVN-4Trio-DL is a dedicated multi-platform KVM switch capable of managing up to four different triple display dual-link computers through three DVI-D monitors, one USB keyboard & mouse, a single set of speakers and a USB 2.0 Device.

The USB emulation technology utilized by DVN-4Trio-DL enables immediate hotkey source switching through a remote USB keyboard and mouse. DVN-4Trio-DL uses dual-link connectors providing high resolutions of up to 2560x1600 (@60HZ) or up to 1920x1200 (@60HZ) for single-link conections.

FEATURES

- Supports Mac, PC, Linux and Sun Mac OS, Sun OS, Unix
- Supports dual-link resolutions up to 2560x1600 (@60HZ) and single-link resolutions up to 1920x1200 (@60HZ).
- Uses universal DVI Dual-Link connectors
- Zero pixel loss with TMDS signal correction
- Supports all USB 2.0 Devices
- Control Sun, Mac or PC computers from a common KVM console
- Compatible with all major software including Windows, Linux, Mac OS, Sun OS, Unix
- Rack mountable in a standard 19 inch rack
- Flash upgradeable firmware
- Front panel keys for selecting users and channels manually
- Supports USB keyboard and mouse
- Balanced stereo audio output
- RS-232 control for remote control
- Optional TCP/IP control
- Hot-key commands for quick channel selection.
- Independent (asynchronous) switching of KVM and peripheral USB/audio ports. Users can listen to audio from one computer while working on the other or scan a document and save in another computer.
- Complete keyboard emulation for error free booting

SOURCE SWITCHING MADE EASY

The DVN-4Trio-DL provides a simplified management approach to up four computers with DVI-D, audio, and USB 2.0 outputs. This dynamic KVM console can be controlled remotely from easily accessible keyboard hotkeys or RS-232 commands, as well as directly through the console's easy to read front panel.

EDID LEARNING & PROGRAMMING

Detection of DDC signals for all attached devices is effortless with DVN-4Trio-DL due to its real EDID learning and programming. This is vital in optimizing the resolution of the selected graphics card to properly display on the remote monitor. Furthermore, the EDID learning feature continues to replicate the right DDC for the computer to enable the display card to effectively work when unused ports are not selected.

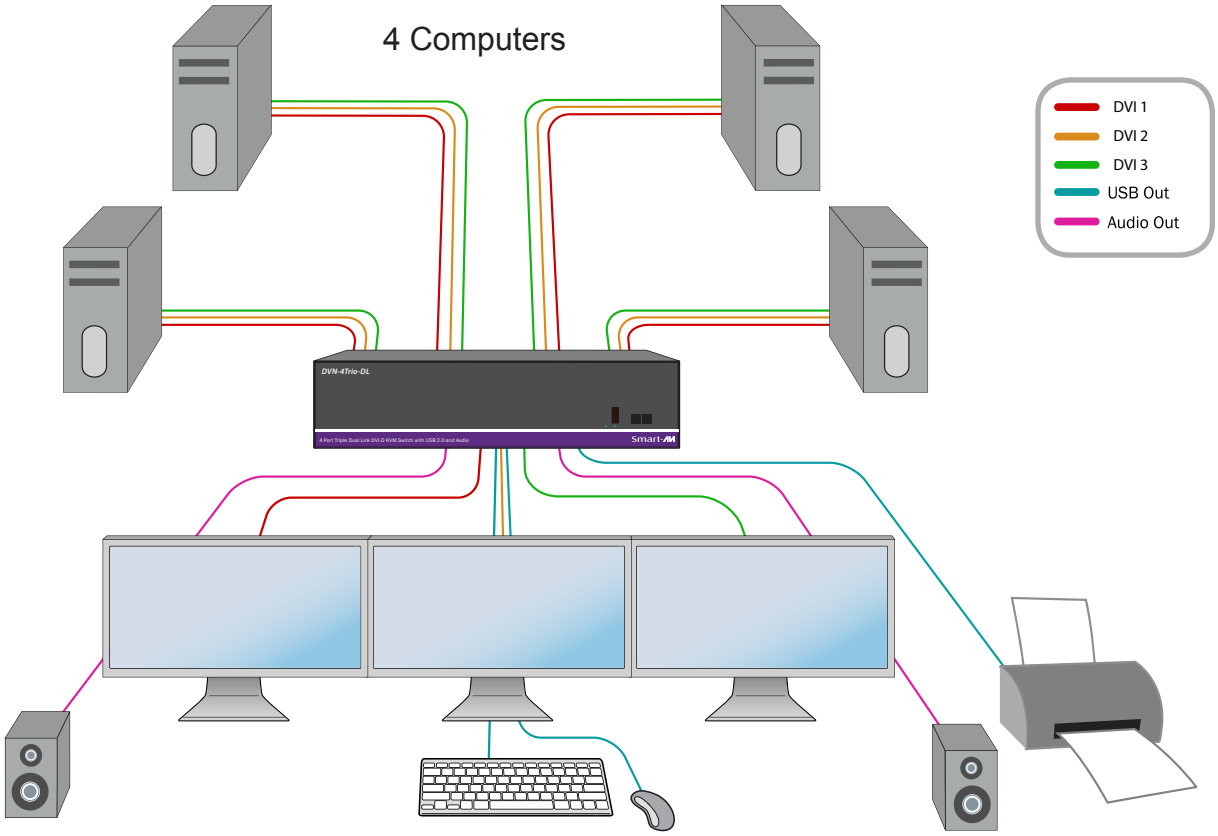
FULL USB KEYBOARD AND MOUSE EMULATION

The USB keyboard and mouse emulation utilized by DVN-4Trio-DL provides accurate and quick source switching by means of keyboard hotkeys and mouse actions. DVN-4Trio-DL imitates 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 while switching without interruptions.

REAL-WORLD APPLICATIONS

The DVN-4Trio-DL has a broad range of applications, but the main function of this KVM switch is to centralize the access of several computers into one comprehensive PC. Not only does it function as a KVM console, it also supports USB 2.0 functionality. This allows a user at the console to use USB devices that would otherwise be unavailable with conventional KVM devices. For example, it allows a user to use a flash memory drive or camera without having to plug it directly into the remote computer. DVN-4Trio-DL is a perfect solution for the medical or industrial field, where it may not be practical or safe to have one or more CPUs in the general vicinity.

- Server Collocation
- Digital Signage
- Education
- Airports
- Dealer Rooms
- Control Rooms
- Audio/Visual Presentations
- Shopping Centers
- Hotels/Resorts
- KVM Switches



FLEXIBLE CONTROL

RS-232: Any external device or program supporting RS-232 can control the DVN-4Trio-DL. The DVN-4Trio-DL uses very simple protocol, that enables easy integration with other devices.

USB/KEYBOARD: Hot keys enable the user to switch and control all the different functions of the KVM system.

TCP/IP: SMTCP-2 is a SmartAVI optional TCP/IP converter that enables users to switch and control the DVN-4Trio-DL control from anywhere in the world using a LAN or WAN connection.

FLEXIBLE SHARING

INDEPENDENT SIMULTANEOUS DEVICE SELECTION: Flexibility is key with the DVN-4Trio-DL. It enables the use of a USB keyboard and mouse of one computer while other USB peripherals such as speakers, scanners and printers are connected to other computer sources. DVN-4Trio-DL maintains the ability to switch all connected devices to any one of the computer sources as with any other KVM switches.

SPECIFICATIONS

DVN-4Trio-DL Front

DVN-4Trio-DL Rear

VIDEO	
Format	DVI-D Dual-Link, DVI 1.0
Maximum Pixel Clock	330Mpbs
Input Interface	(12) DVI-D 29-pin
Output Interface	(3) DVI-D 29-pin
Resolution	Dual-link up to 2560x1600 (@60HZ) or Single-link up to 1920x1200 (@60HZ)
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
Data Rate	1.65 Gbps per color

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

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

CONTROL	
Front Panel	Tactile Switch, Display: LCD 2 x 20 Character
RS-232	Via Control @ 115200 bps
Hot Keys	Via Keyboard

OTHER	
Power	External 100-240 VAC/ 5VDC4A @ 20W
Dimensions	12.5" W x 4.3" H x 6.4" D
Weight	4 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%
Emulation	Keyboard and Mouse

ORDERING INFORMATION	
Part No.	**Description**
DVN-4Trio-DLS	DVN-4Trio-DL Dual-Link, 4x3 DVI-D, USB 2.0, Audio Switch. Includes: [DVN-4Trio-DL & (PS5VDC4A)]

Designed and Manufactured in the USA

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