Simply Better Connections

CS1768

8-Port USB DVI/Audio KVM Switch

The CS1768 8-port USB DVI KVM Switch is a multi-purpose appliance that consolidates access and control of up to 8 computers from a single USB keyboard, USB mouse, and dual-monitor (DVI-I and VGA) console.

It can be cascaded to three levels – allowing up to 73 CS1768s to control up to 512 computers – all from the original single console, making it ideal for industry-grade IT applications and management.

In addition, the CS1768 features multi-display functionality, which enables the use of standard USB cables to stack up to four switches for quad-displaying in multiple-monitor installations where each computer is fitted with multiple video cards. It allows you to contrast, analyse and monitor video output in convenient ways, substantially simplifying the working environment.

Furthermore, the CS1768 comes with ATEN's on-screen display (OSD) function, which can access any computer connected to the installation, it also offers OSD configuration back up/restore to save/ back up the OSD settings and restore them as needed.

The CS1768 provides multimedia keyboard support and is audio enabled. Two microphones can provide audio input to each of the computers, and you can listen to the audio output of each computer on two sets of speakers (on a one-at-a-time basis).

Features

- One USB console controls eight Single Link DVI or VGA computers and two additional USB 2.0 devices
- KVM console supports a digital (DVI-D) or an analog (VGA) video output
- Computer ports support digital (DVI) and analog (VGA) video inputs* – mixed operation possible
- Cascadable to three levels – control up to 512 computers
- Multi-Display mode – stack up to four CS1768 units and display video from up to four monitors (dual display / triple display / quad display)
- Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD)
- OSD Backup/Restore function – enables the administrator to back up the switch´s configuration and user profile information
- 2-port USB 2.0 hub built in
- Fully compliant with the USB 2.0 specification
- Two-level (Administrator/User) password authorization for enhanced security protection
- Multilingual OSD supports English, German, Japanese, Traditional Chinese, Simplified Chinese, Spanish, Russian, and French
- Audio enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Console audio ports on front panel for easy access
- Multiplatform support – Windows, Linux, Mac, Sun
- Supports widescreen resolutions
- Superior video quality – 1920 x 1200 (Single Link DVI); 2048 x 1536 (VGA); DDC2B
- Independent switching of KVM and USB focus
- DVI digital and analog monitor support – fully compliant with the DVI specifications
- HDCP compatible
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports
- Console mouse port emulation/bypass feature supports most mouse drivers and multifunction mice
- Complete keyboard emulation for error-free booting
- Mac/Sun keyboard support and emulation**
- Multilingual keyboard mapping – supports English (US), English (UK), French, German, Japanese, Korean, Traditional Chinese, and Spanish
- Auto Scan Mode for monitoring all computers
- Broadcast mode – allows you to send commands from the console to all computers to perform operations simultaneously.
- Firmware upgradable

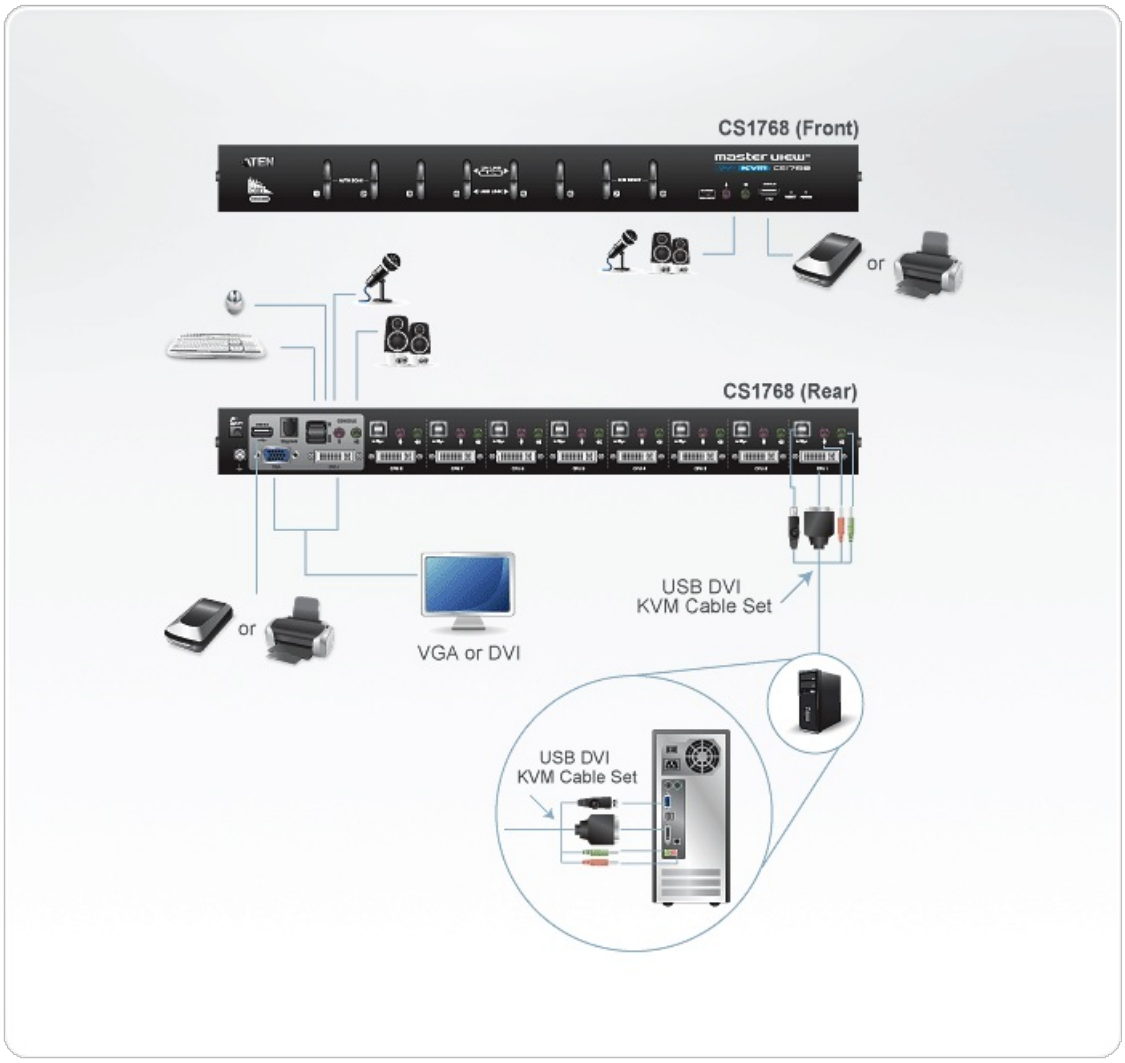
Note:
* A VGA input requires a VGA to DVI adapter or a VGA to DVI KVM cable(2L-7DX2U/2L-7DX3U). This KVM cable is sold separately
** PC keyboard combinations emulate Mac/Sun keyboards; Mac/Sun keyboard work only with their own computers

Specification

Computer Connections	
Direct	8
Maximum	512 (via Cascade)
Port Selection	OSD, Hotkey, Pushbutton
Connectors	
Console Ports	1 x HDB-15 Female (Blue) 1 x DVI-I Female (White) 2 x USB Type A Female 2 x 3.5mm Audio Jack Female (Pink; 1 x front panel, 1 x rear panel) 2 x 3.5mm Audio Jack Female (Green; 1 x front panel, 1 x rear panel)
KVM Ports	8 x DVI-I Female (White) 8 x USB Type B Female 8 x 3.5mm Audio Jack Female (Green) 8 x 3.5mm Audio Jack Female (Pink)
Firmware Upgrade	1 x RJ-11 Female (Black)
Power	1 x DC Jack
USB Hub	2 x USB Type A Female (1 x front panel, 1 x rear panel)
Switches	
Port Selection	8 x Pushbutton

Reset	1 x Semi-recessed Pushbutton
Firmware Upgrade	1 x Slide Switch
LEDs	
USB Link	8 (Green)
Power	1 (Dark Green)
On Line /Selected	8 (Orange)
Emulation	
Keyboard / Mouse	USB
Video	DVI (Single Link): 1920 x 1200 @ 60Hz; VGA: 2048 x 1536 @ 60Hz
Scan Interval	1–255 seconds (default: 5 secs.)
Power Consumption	DC5.3V:4.53W:47BTU
Environmental	
Operating Temperature	0-50°C
Storage Temperature	-20-60°C
Humidity	0 - 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	2.80 kg (6.17 lb)
Dimensions (L x W x H)	43.72 x 16.12 x 4.40 cm (17.21 x 6.35 x 1.73 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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