CS1768

ATEN®
Simply Better Connections™

The CS1768 8-port USB DVI KVM Switch is a control unit that allow 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. In addition, the CS1768 comes with ATEN's new Video DynaSync technology, which optimizes display resolution.

There are three convenient methods to access any computer connected to the installation: (1) using the pushbutton port selection switches located on each unit's front panel; (2) entering Hotkey combinations from the keyboard; and (3) selecting from menus provided by the on-screen display (OSD). An Auto Scan feature also permits automatic scanning and monitoring of the activities of all computers running on the installation one by one.

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).

CS1768

FEATURES

- One USB console controls eight Single Link DVI or VGA computers and two additional USB 2.0 devices
- Supports both digital (DVI) and analog (VGA) video – mixed operation possible
- Cascadable to three levels – control up to 512 computers
- 2-port USB 2.0 hub built in
- Fully compliant with the USB 2.0 specification
- Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD)
- 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: PC keyboard combinations emulate Mac/Sun keyboards; Mac/Sun keyboard work only with their own computers

≫ Benefits

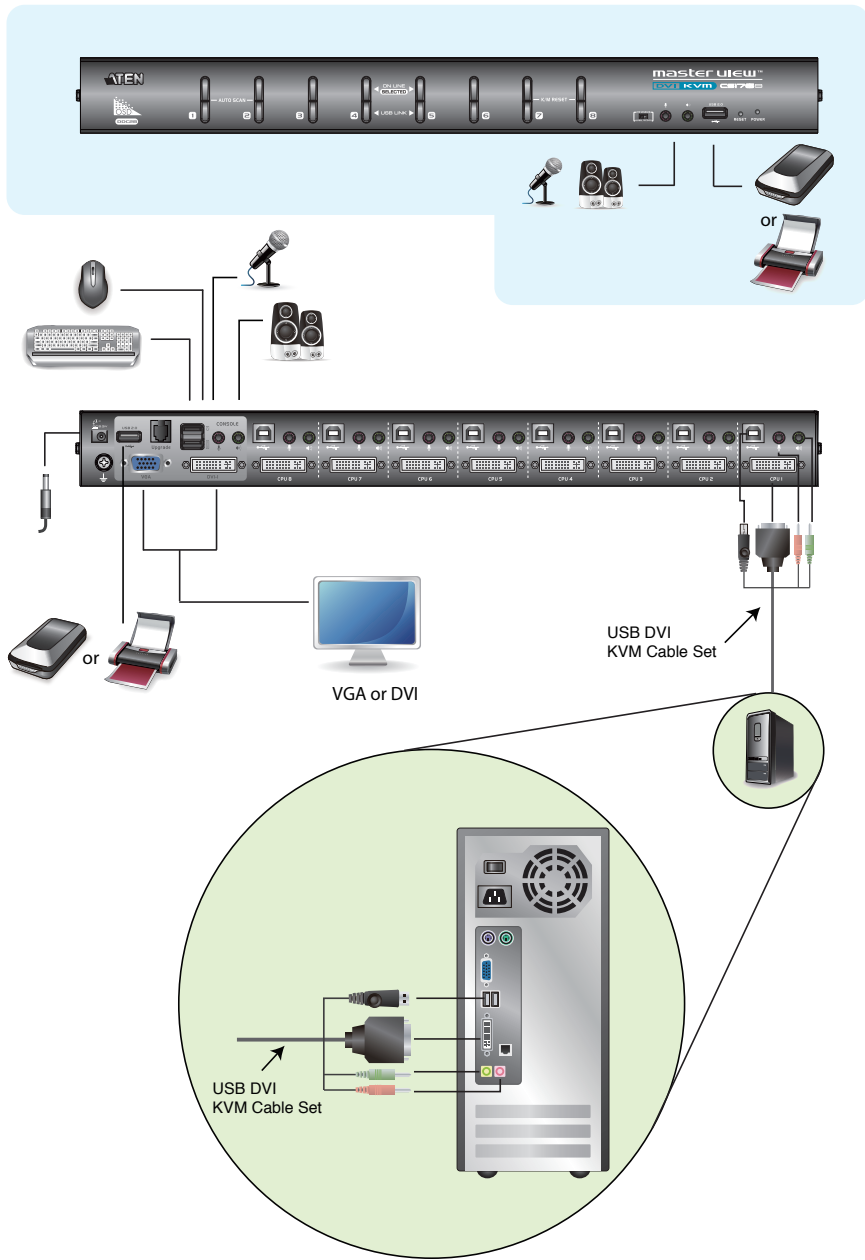|	
Flexibility	Support for digital (DVI single-link) as well as analog video (VGA), allows mixed operation.
Easy Operation	• Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD) menu • Multilingual keyboard mapping – supports English (US), English (UK), French, German, Japanese, Korean, Traditional Chinese, and Spanish.
Auto Scan and Broadcast Mode	• Auto Scan Mode for monitoring all computers • Broadcast mode sends commands from the console to all computers, allowing you to perform operations (such as software installation, upgrades, shutdowns, etc.) on them simultaneously
Superior Video Quality	Maximum DVI single-link resolution 1920x1200; Maximum VGA resolution 2048 x1536.

Video DynaSync™

Exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports.

Multilingual OSD

Multilingual OSD supports English, German, Japanese, Traditional Chinese , Simplified Chinese,Spanish, Russian, and French.

or

USB DVI
KVM Cable Set

VGA or DVI

USB DVI
KVM Cable Set

>> Specification

Function			CS1768
Computer Connections	Direct		8
	Max.		512 (via Cascade)
Port Selection			OSD, Hotkey, Pushbutton
Connectors	Console Ports	Keyboard	1 x USB Type A Female (Black)
		Video	1 x HDB-15 Female (Blue) / 1 x DVI-I Female (White)
		Mouse	1 x USB Type A Female (Black)
		Speakers	2 x Mini Stereo Jack Female (Green; 1 x front panel, 1 x rear panel)
		Microphone	2 x Mini Stereo Jack Female (Pink; 1 x front panel; 1 x rear panel)
	KVM Ports	KB / Mouse	8 x USB Type B Female (White)
		Video	8 x DVI-I Female (White)
		Speakers	8 x Mini Stereo Jack Female (Green)
		Microphone	8 x Mini Stereo Jack Male (Pink)
	F/W Upgrade		1 x RJ-11 Female (Black)
	Power		1 x DC Jack
	USB 2.0 Hub		2 x USB Type A Female (White; 1 x front panel, 1 x rear panel)
Switches	Port Selection		8 x Pushbutton
	Reset		1 x Semi-recessed Pushbutton
	F/W Upgrade		1 x RJ-11
LEDs	USB Link		8 (Green)
	On Line / Selected		8 (Orange)
	Power		1 (Dark Green)
Emulation	Keyboard / Mouse		USB
Video			DVI Single Link: 1920 x 1200; VGA: 2048 x 1536
Scan Interval			1–255 Seconds (Default: 5 secs)
Power Consumption			DC 5.3V, 3.76 W
Environment	Operating Temp.		0–50ºC
	Storage Temp		-20–60ºC
	Humidity		0–80% RH, Non-condensing
Physical Properties	Housing		Metal
	Weight		2.80 kg
	Dimensions (L x W x H)		43.72 x 16.11 x 4.40 cm

ATEN®
Simply Better Connections™

www.aten.com