

# CS1788

## 8-Port USB DVI Dual Link KVM Switch

- The CS1788 8-Port USB DVI Dual Link 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 CS1788s to control up to 512 computers – all from the original single console, making it ideal for IT applications and management.

In addition, the CS1788 features Multi-view functionality, which enables the use of standard USB cables to stack up to four switches for quad-viewing 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 CS1788 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 CS1788 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).

CS1788 front view



CS1788 rear view



## Features

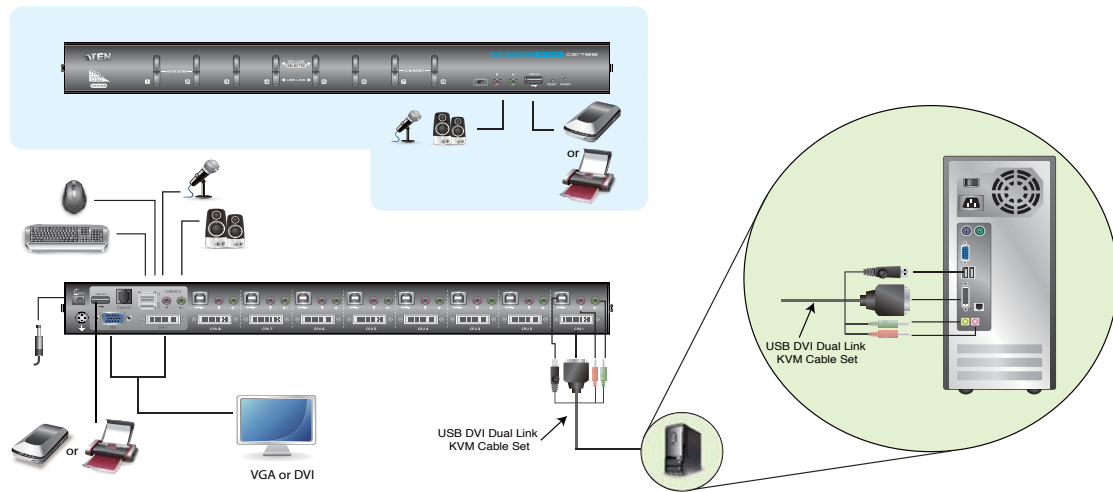
- One USB console controls eight Dual Link DVI or VGA computers and two additional USB 2.0 devices
- Supports both digital (DVI) and analog (VGA) video – mixed operation possible
- **Cascadable to three levels – control up to 512 computers**
- **Multi-view feature – stack up to four CS1788 units and display video from up to four monitors (dual view / triple view / quad view)**
- 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)
- **OSD Backup/Restore feature – enables the administrator to back up the switch's configuration and user profile information**

- [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 – 2560 x 1600 (Dual 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

<b>Flexibility</b>	Support for digital (DVI Dual-link) as well as analog video (VGA), allows mixed operation.
<b>Easy Operation</b>	<ul style="list-style-type: none"> <li>• Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD) menu</li> <li>• Multilingual keyboard mapping – supports English (US), English (UK), French, German, Japanese, Korean, Traditional Chinese, and Spanish.</li> </ul>
<b>Auto Scan and Broadcast Mode</b>	<ul style="list-style-type: none"> <li>• Auto Scan Mode for monitoring all computers</li> <li>• 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</li> </ul>
<b>Multi-view</b>	Stack up to four CS1788 units and display video from up to four monitors (dual view / triple view / quad view)
<b>Superior Video Quality</b>	Maximum DVI Dual-link resolution 2560 x 1600; Maximum VGA resolution 2048 x1536.
<b>Video DynaSync™</b>	Exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports.
<b>OSD Backup/Restore</b>	Enables the administrator to back up the switch's configuration and user profile information



## Specification

Function		CS1788	
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 RJ11 Female
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 Slide Switch	
LEDs	USB Link	8 (Green)	
	On Line / Selected	8 (Orange)	
	Power	1 (Dark Green)	
Emulation	Keyboard / Mouse	USB	
Video		DVI Dual Link: 2560 x 1600; VGA: 2048 x 1536	
Scan Interval		1 – 255 Seconds (Default: 5 secs)	
Power Consumption		DC 5.3V, 6.47 W	
Environment	Operating Temp.	0 – 50°C	
	Storage Temp	-20 – 60°C	
	Humidity	0 – 80% RH, Non-condensing	
Physical Properties	Housing	Metal	
	Weight	2.80 kg	
	Dimensions (L x W x H)	43.72 x 16.12 x 4.40 cm	

### ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan  
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767  
 www.aten.com E-mail: marketing@aten.com

Printed 06/2014 V2.0



© Copyright 2014 ATEN® International Co., Ltd.  
 ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.  
 All rights reserved. All other trademarks are the property of their  
 respective owners.