

8/16-Port USB HDMI KVM Switch

CS1798 / CS17916

The CS1798 / CS17916 8/16-port USB HDMI KVM Switch is a multi-purpose appliance that consolidates access and control of up to 8/16 HDMI computers from a single USB keyboard, USB mouse, and monitor console. The CS1798 / CS17916 can be cascaded up to three levels – to control up to 512 computers (CS1798); or two levels – up to 256 computers (CS17916) – all from a single console.

In addition, the CS1798 / CS17916 features multi-display functionality, which enables the use of standard USB cables to stack up to 8 switches in a multi-display installation where each computer is fitted with multiple video cards. It allows users to contrast, analyze and monitor video output in convenient ways, substantially simplifying the working environment.

The CS1798 / CS17916 supporting ATEN's on-screen display (OSD) function, allowing it to access any computer connected to the installation, which offers OSD configuration backup / restore functions to save or back up the OSD settings and restore them as needed. The CS1798 / CS17916 provides multimedia keyboard support and is audio enabled. Users can listen to the audio output of each computer on two sets of speakers (on a one at- a-time basis).

CS17916 Front View



CS17916 Rear View



Features

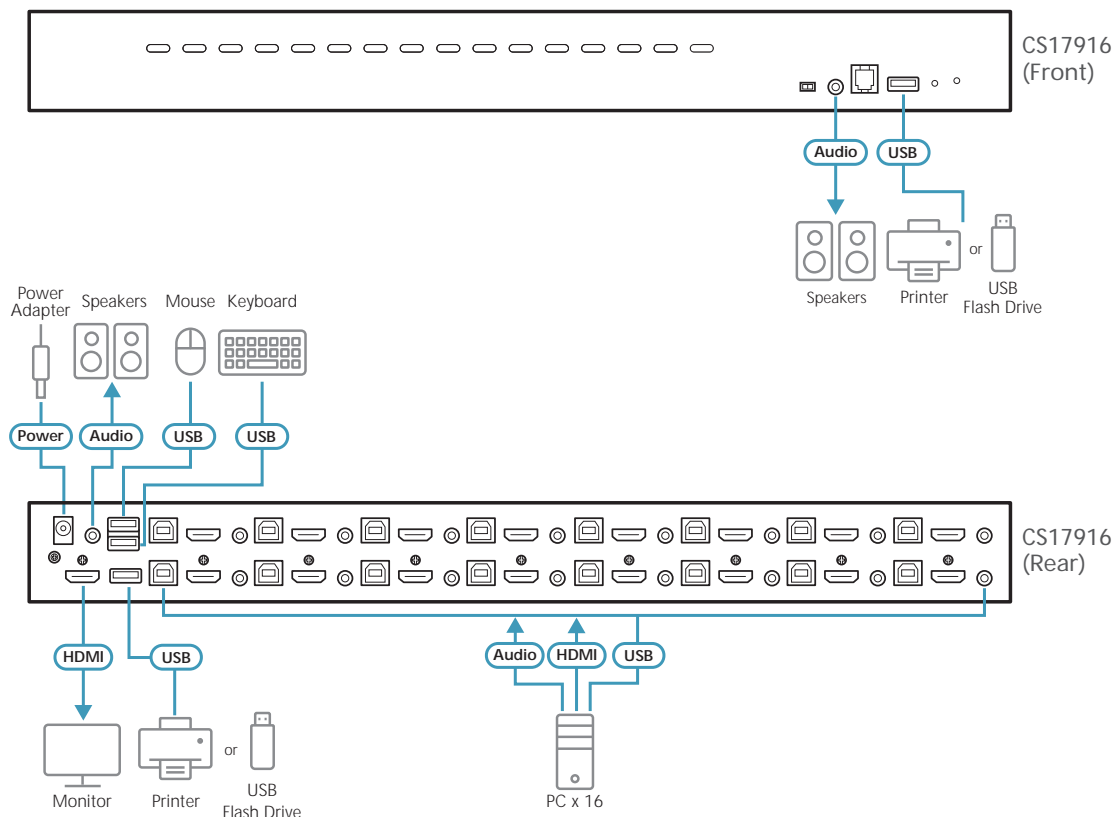
- One USB console controls up to 8 (CS1798) or 16 (CS17916) HDMI-interfaced computers and two additional USB 2.0 devices
- HDMI compatible
- Cascadable to three levels – control up to 512 computers (CS1798); or two levels – up to 256 computers (CS17916)¹
- Multi-Display feature – stacks up to 8 CS1798 / CS17916 units and display video from up to 8 monitors (dual display / triple display / quad display / multi-display)
- 2-port USB 2.0 hub built in²
- Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD)
- Independent switching of KVM and USB focus
- OSD Backup / Restore feature – enables the administrator to back up the switch's configuration and user profile information
- Firmware upgradable
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports
- Superior video quality – supports up to 1080p / 1920 x 1200 @ 60 Hz³
- Supports widescreen resolutions
- 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
- Auto Scan Mode for monitoring all computers
- HDCP compatible
- Multiplatform support – Windows, Linux, Mac, and Sun⁴
- 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 emulation⁵
- Multilingual OSD supports English, German, Japanese, Traditional Chinese, Simplified Chinese, Spanish, Russian, and French
- Multilingual keyboard mapping – supports English (US), English (UK), German (GER.), German (SWISS), French, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish, Traditional Chinese, and Simplified Chinese
- Supports hot-plugging

- Note :**
1. CS1798 cascade to CS1798 only; CS17916 cascade to CS17916 only.
 2. The USB 2.0 hub cannot be accessed through the switch by computers on the second or third level of a cascaded installation.
 3. CS1798 / CS17916 supports the resolution up to 1920 x 1080 @ 60 Hz. The resolution of the connected source should be 1920 x 1080 @ 60 Hz or lower in order to avoid compatibility issues.
 4. For PC compatible computers. Mac and Sun computers must be compatible with USB connections.
 5. PC keyboard combinations emulate Mac / Sun keyboards; Mac / Sun keyboards work only with their own computers.

Highlights

Easy Operation	<ul style="list-style-type: none"> • Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD) menu • Multilingual OSD supports English, German, Japanese, Traditional Chinese, Simplified Chinese, Spanish, Russian, and French
Auto Scan and Broadcast Mode	<ul style="list-style-type: none"> • Auto Scan Mode for monitoring all computers • Broadcast mode sends commands from the console to all computers, allowing users to perform operations (such as software installation, upgrades, shutdowns, etc.) simultaneously
Multi-Display	Stacks up to 8 CS1798 / CS17916 units and display video from up to 8 monitors (dual display / triple display / quad display / multi-display)
Superior Video Quality	Superior video quality – supports up to 1080p / 1920 x 1200 @ 60 Hz*
Video DynaSync™	Exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports
OSD Backup / Restore	Enables the administrator to back up the switch's configuration and user profile information

* CS1798 / CS17916 supports the resolution up to 1920 x 1080 @ 60 Hz. Please make sure that the resolution of your connected source is 1920 x 1080 @ 60 Hz or lower in order to avoid compatibility issues.



Specifications

	CS1798	CS17916
Computer Connections		
Direct	8	16
Maximum	512 (via Cascade)	256 (via Cascade)
Port Selection	OSD, Hotkey, Pushbutton	
Connectors		
Console Ports	1 x HDMI Female 2 x USB Type-A Female 2 x 3.5 mm Audio Jack Female (Green; 1 x front panel, 1 x rear panel)	
KVM Ports	8 x HDMI Female 8 x USB Type-B Female 8 x 3.5 mm Audio Jack Female (Green)	16 x HDMI Female 16 x USB Type-B Female 16 x 3.5 mm Audio Jack Female (Green)
Firmware Upgrade	1 x RJ-11 Female	
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	16 x Pushbutton
Reset	1 x Semi-recessed Pushbutton	
Firmware Upgrade	1 x Slide Switch	
LEDs		
USB Link	8 (Green)	16 (Green)
Power	1 (Dark Green)	1 (Dark Green)
On Line / Selected	8 (Orange)	16 (Orange)
Emulation		
Keyboard / Mouse	USB	
Video	1920 x 1080 @ 60 Hz ; 1920 x 1200 @ 60 Hz	
Scan Interval	1 – 255 seconds (default: 5 sec.)	
Power Consumption	DC 5 V : 5.8 W	DC 5 V : 9.18 W
Environmental		
Operating Temperature	0 – 50 °C	
Storage Temperature	-20 – 60 °C	
Humidity	0 – 80% RH, Non-condensing	
Physical Properties		
Housing	Metal	
Weight	3.49 kg	3.86 kg
Dimensions (L x W x H)	43.24 x 25.72 x 4.40 cm	43.24 x 25.72 x 4.40 cm

ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datung 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

Product information is subject to change without prior notice.

Released: 05/2022 V3.0

© Copyright 2022 ATEN® International Co. Ltd.
 ATEN and the ATEN logo are registered trademarks of ATEN International Co., Ltd.
 All rights reserved. All other trademarks are the property of their respective owners.
 The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are
 trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

