# CS1798/CS17916
## 8/16-Port USB HDMI KVM Switch

● 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 eight switches in a multi-display installation 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 CS1798/CS17916 comes with ATEN's on-screen display (OSD) function, which can access any computer connected to the installation, it also offers OSD configuration backup/restore to save/back up the OSD settings and restore them as needed.

The CS1798/CS17916 provides multimedia keyboard support and is audio enabled. You 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 eight (CS1798) or sixteen (CS17916) HDMI interface computers and two additional USB 2.0 devices
- HDMI digital monitor support–fully compliant with HDMI 1.3a
- Cascadable to three levels–control up to 512 computers (CS1798); or two levels – up to 256 computers (CS17916)*[1]
- Multi-Display feature – stack up to eight CS1798/CS17916 units and display video from up to eight monitors (dual display/triple display/quad display/multi-display)
- 2-port USB 2.0 hub built in
- 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@60Hz
- 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, Sun
- 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*[2,3]
- 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

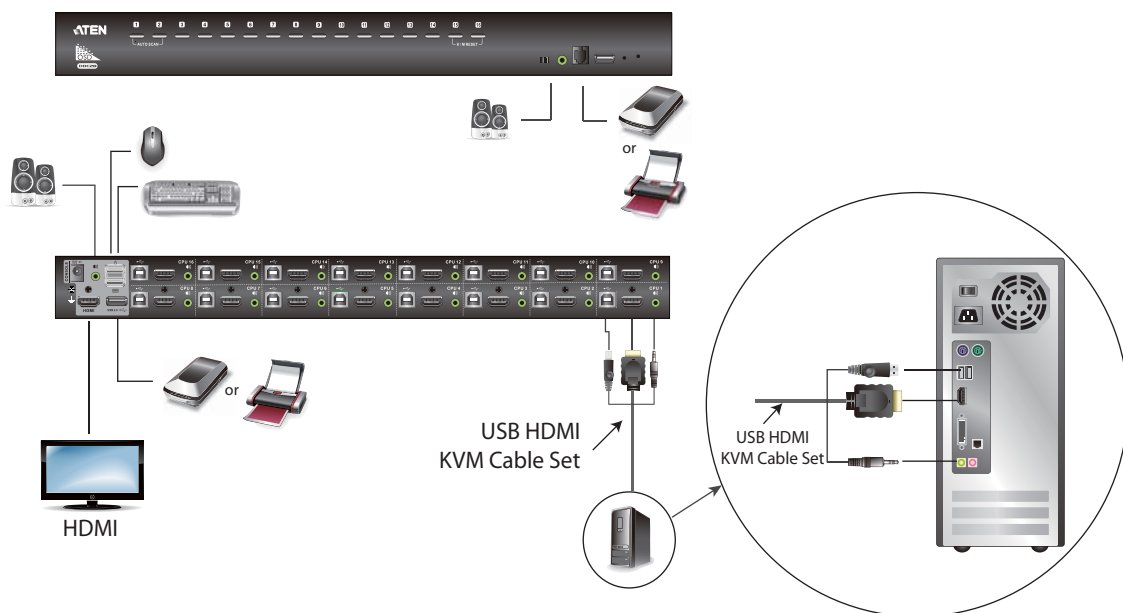**Note :** Enable mouse emulation for independent switching
1. CS1798 cascade to CS1798 only.
2. For PC compatible computers. Mac and Sun computers must be compatible with USB connections.
3. PC keyboard combinations emulate Mac/Sun keyboards; Mac/Sun keyboards work only with their own computers.

# Highlights

| | |
|---|---|
| Easy Operation | • Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD) menu<br>• Multilingual OSD supports English, German, Japanese, Traditional Chinese, Simplified Chinese, Spanish, Russian, and French |
| Auto Scan and Broadcast Mode | • Auto Scan Mode for monitoring all computers<br>• 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 |
| Multi-Display | Stack up to eight CS1798 / CS17916 units and display video from up to eight monitors (dual display/triple display/quad display/multi-display) |
| Superior Video Quality | Superior video quality – supports up to 1080p / 1920 x 1200@60Hz |
| 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 |



USB HDMI KVM Cable Set

USB HDMI KVM Cable Set

HDMI

or

or

# Specification

| Function | | | CS1798 | CS17916 |
|---|---|---|---|---|
| Computer Connections | Direct | | 8 | 16 |
| | Max. | | 512 (via Cascade) | 256 (via Cascade) |
| Port Selection | | | OSD, Hotkey, Pushbutton | |
| Connectors | Console Ports | Keyboard | 1 x USB Type A Female (Black) | |
| | | Video | 1 x HDMI Female | |
| | | Mouse | 1 x USB Type A Female (Black) | |
| | | Speakers | 2 x Mini Stereo Jack F (Green; 1 x front panel, 1 x rear panel) | |
| | KVM Ports | Keyboard / Mouse | 8 x USB Type B Female (White) | 16 x USB Type B Female (White) |
| | | Video | 8 x HDMI Female (White) | 16 x HDMI Female (White) |
| | | Speakers | 8 x Mini Stereo Jack Female (Green) | 16 x Mini Stereo Jack Female (Green) |
| | F/W Upgrade | | 1 x RJ11 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 | 16 x Pushbutton |
| | Reset | | 1 x Semi-recessed Pushbutton | |
| | F/W Upgrade | | 1 x Slide Switch | |
| LEDs | USB Link | | 8 (Green) | 16 (Green) |
| | On Line / Selected | | 8 (Orange) | 16 (Orange) |
| | Power | | 1 (Dark Green) | |
| Emulation | Keyboard / Mouse | | USB | |
| Video | | | up to 1080p / 1920 x 1200@60Hz | |
| Scan Interval | | | 1–255 Seconds (Default: 5 secs) | |
| Power Consumption | | | DC 5.0V; 12.0W | DC 5.0V; 12.2W |
| Environment | Operation Temperature | | 0–50℃ | |
| | Storage Temperature | | -20–60℃ | |
| | Humidity | | 0–80% RH, Non-condensing | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 3.49 kg | 3.86 kg |
| | Dimensions (L x W x H) | | 43.72 x 25.66 x 4.40 cm | 43.72 x 25.66 x 4.40 cm |