

## CN8000

1-Local/Remote Share Access  
Single Port VGA KVM over IP Switch (1600 x 1200)



The CN8000 is a control unit that provides "over-IP" capability to KVM switches that do not have built in over-IP functionality. It allows operators to monitor and access their computers from remote locations using a browser-based Windows Client or Java Applet, or with AP Windows and Java application programs.

The CN8000 provides a dedicated RS-232 port for modem access, as well as a USB 2.0 port for [virtual media](#) capability. With its advanced features, the CN8000 is the fastest, most reliable, most cost effective way to remotely access and manage widely distributed multiple computer installations.

## Features

### Hardware

- Provides over-IP capability to KVM switches that do not have built in over-IP functionality <sup>1</sup>
- Supports PS/2,USB, Sun Legacy (13W3) 2 and serial (RS-232) connectivity
- Local console provides PS/2,and USB keyboard and mouse support
- Supports multiplatform server environments: Windows, Mac, Sun, Linux and VT100 based serial devices
- Virtual Media Support
- High video resolution – up to 1600 x 1200 @ 60Hz- 32 bit color depth for the local console; up to 1600 x 1200 @ 60Hzwith 24 bit color depth for remote sessions
- **Enhanced fps (frames per second) throughput for crisp responsive video display**

<sup>1</sup> Cascade-compatible KVM Switches include the following: [CS9134](#), [CS9138](#), [CS88A](#), [CS1308](#), [CS1316](#), [CS1754\\*](#), [CS1758\\*](#), [CS1708A](#), [CS1716A](#), [ACS1208A](#), [ACS1216A](#), [CS228\\*](#), [CS428\\*](#), [KH0116](#), [KH2508](#), [KH2516](#), [KH1508](#), and [KH1516](#)

-Some of the CN8000's features may not be supported, depending on the functionality of the cascaded KVM switch. (For example, some switches do not support [virtual media](#).)

-Some features found on the cascaded KVM switches may not be supported on the CN8000. (For example, the [CS1754](#)'s audio.)

<sup>2</sup> Requires [CV130A](#) converter purchase

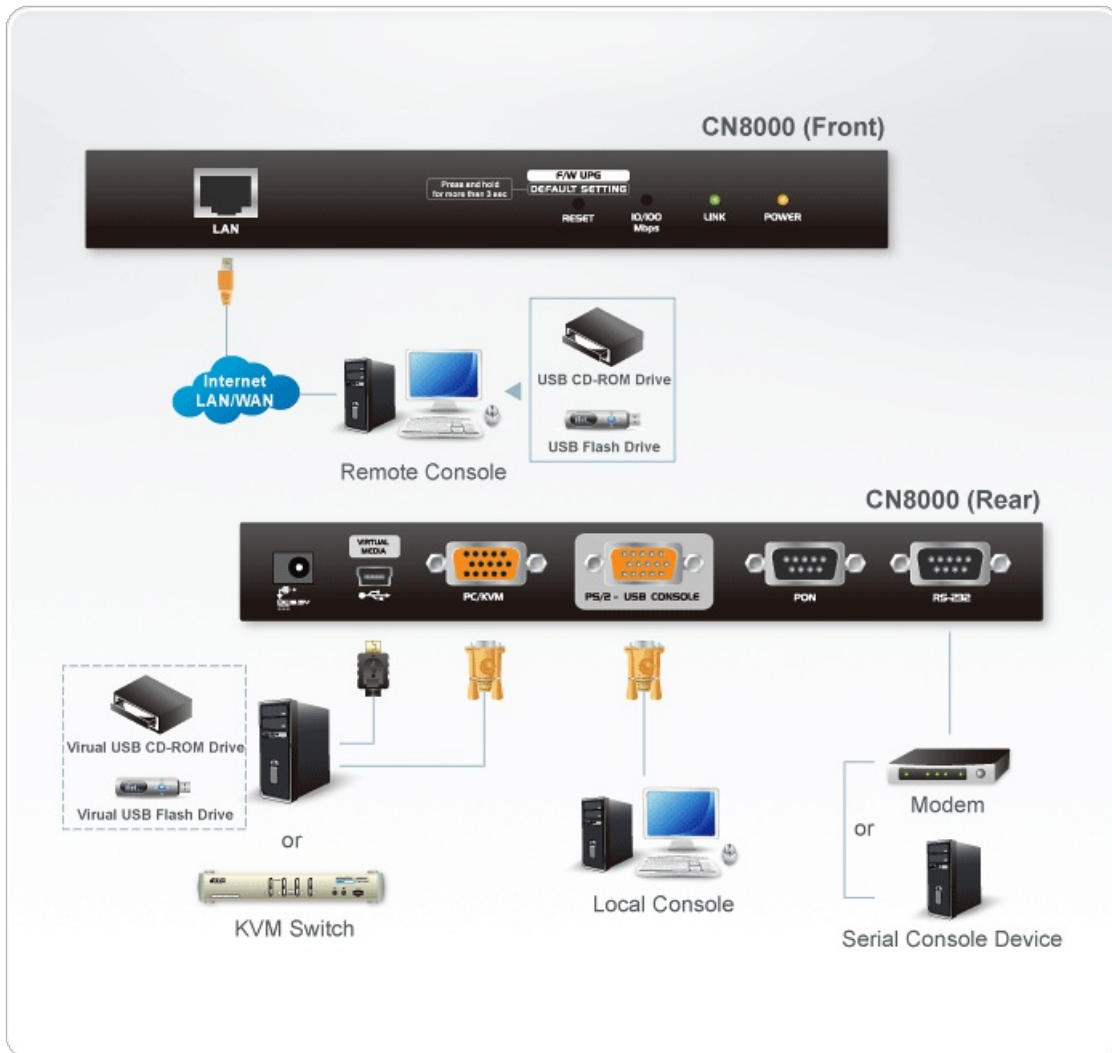
### Management

- Up to 64 user accounts
- Up to 32 concurrent logins
- End session feature – administrators can terminate running sessions
- Event logging and Windows-based Log Server support
- **Critical system events sent by email and SNMP trap; and Syslog support**
- Remote Firmware upgradable
- **Serial console management – serial terminal access. Access the CN8000 via a built-in serial viewer, or via third party software (such as PuTTY) for Telnet and SSH sessions**
- **PPP mode (modem) dial-in/dial back/dial out support for out-of-band, and low bandwidth operation**
- Port Share Mode allows multiple users to gain access to a server simultaneously
- Local/Remote Share Mode to conveniently grant shared or exclusive console privilege **NEW!**
- Integration with ALTUSEN [CC2000](#) Management software
- Power Over the NET integration for [remote power control](#)
- [DDNS \(Dynamic Domain Name System\)](#)
- Export/import user account and configuration settings
- Enable/disable browser operation
- IPv6 capable**NEW!**
- **Ease-to-Use Interface**
- **Browser-based and AP GUIs offer a unified Multilanguage interface to minimize user training time and increase productivity**
- Multiplatform client support (Windows, Mac OS X, Linux, Sun)
- Multibrowser support (IE, Mozilla, Firefox, Safari, Opera, Netscape)
- **Browser-based UI in pure Web technology allows administrators to perform administrative tasks without pre-installed Java software package required**
- Full-screen or sizable and scalable Virtual Remote Desktop
- Magic Panel
- **Advanced Security**
- **Smart Card /CAC Reader Support**
- External authentication support: RADIUS, LDAP, LDAPS, and MS Active Directory
- Supports SSL 128-bit data encryption and RSA 1024-bit certificates to secure users log in from browser
- **Flexible encryption design allows users to choose any combination of 56-bit DES, 168-bit 3DES 256-bit AES, 128-bit RC4, or Random for independent KB/Mouse, video, and [virtual media](#) data encryption**
- Support for IP/MAC Filter
- Supports password protection
- **Private CA**
- **Virtual Media**
- Virtual media enables file applications, OS patching, software installation and diagnostic testing
- Works with USB enabled servers in operating system and BIOS level
- Supports USB 2.0 DVD/CD drives, USB mass storage devices, PC hard drives and ISO images
- **Virtual Remote Desktop**
- Video quality and video tolerance can be adjusted to optimize data transfer speed; monochrome color depth setting, threshold and noise settings for compression of the data bandwidth in low bandwidth situations
- Full screen video display or scalable video display
- Message Board for communication among remote users
- On-screen keyboard with multilanguage support
- Mouse Dynasync
- [Exit Macros support](#)
- BIOS-level access

## Specifications

Connectors	
Console Ports	1 x SPHD Male (Yellow)
KVM (Computer) Ports	1 x SPHD Female (Yellow)
Virtual Media	1 x USB Mini-B Female
PON	1 x DB-9 Male
Modem	1 x DB-9 Male
LAN Ports	1 x RJ-45 Female
Power	1 x DC Jack
Switches	
Reset	1 x Semi-recessed Pushbutton
LEDs	
Power	1 (Orange)
Link	1 (Green)
10/100 Mbps	1 (Orange/Green)
Emulation	
Keyboard / Mouse	USB; PS/2
Video	Up to 1600 x 1200 @ 60 Hz; DDC2B
Power Consumption	DC5.3V:6.80W:36BTU
Environmental	
Operating Temperature	0 - 50°C (CN8000) 0 - 40°C (Power Adapter)
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	0.49 kg ( 1.08 lb )
Dimensions (L x W x H)	20.20 x 8.64 x 2.50 cm (7.95 x 3.4 x 0.98 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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