KVM on the NET™ CN8000

IP-Enable Your Legacy KVM Switches

The CN8000 provides "over-IP" capability to KVM switches that do not have this function on their own. Operators at remote locations connect to the CN8000 via its IP address using a standard Internet browser or stand-alone Windows and Java based application programs. Once a connection has been established and authorization granted, operators can monitor and access devices located anywhere in the world from their local consoles just as if they were actually present and working on the equipment directly.

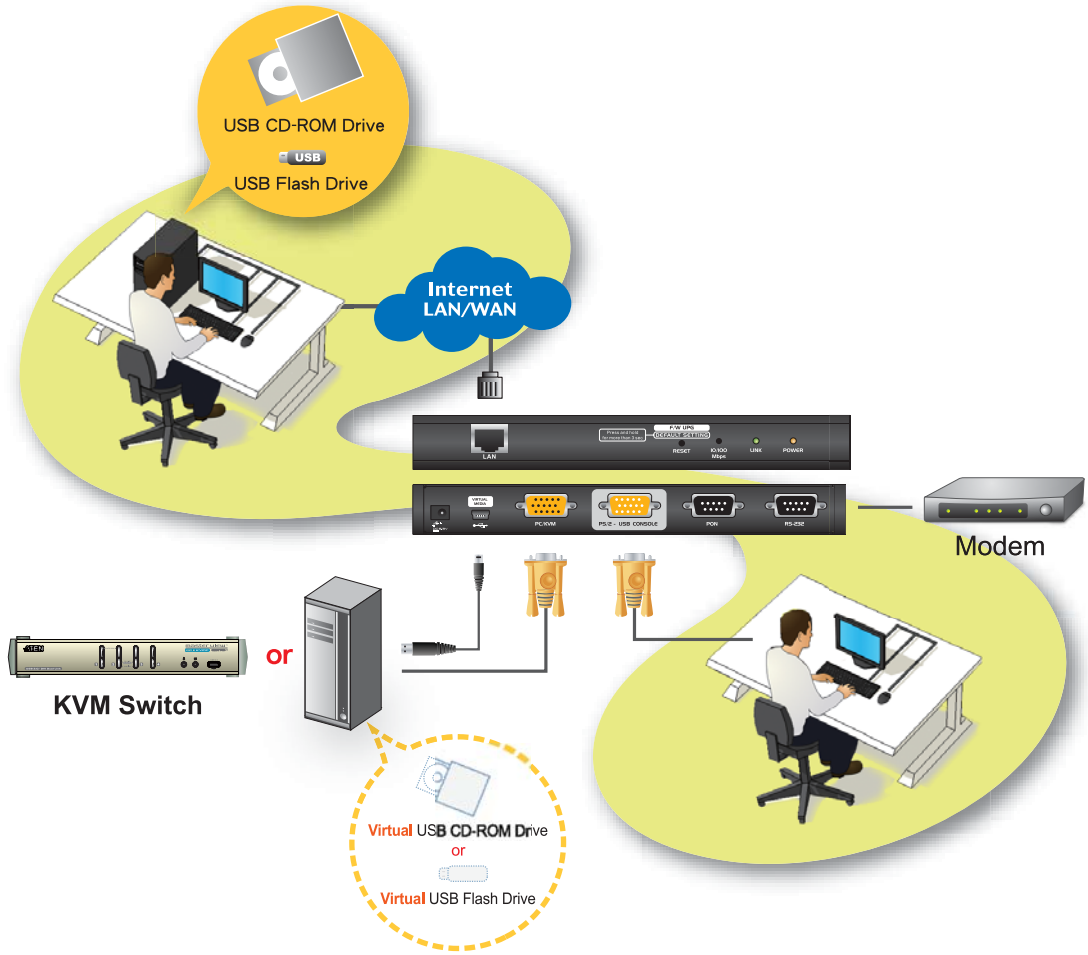
The Administrator and Client software included with the CN8000 make it easy to install, maintain, and operate the equipment on your installation. System administrators can handle a multitude of tasks with ease - from installing and running GUI applications, to BIOS level troubleshooting, routine monitoring, concurrent maintenance, system administration, rebooting and even pre-booting functions.

Features

- Provides over-IP capability to KVM switches that do not have built in over-IP functionality
- Virtual media via USB 2.0 data transmission ***NEW!***
- Enhanced fps (frames per second) throughput for crisp responsive video display ***NEW!***
- Ultra-Sync – with USB mice local mouse movement becomes the remote mouse movement
- Superior video resolution – up to 1600 x 1200 @ 60Hz; vibrant 24-bit color depth for rich remote session display ***NEW!***
- PPP mode (modem) dial up support for out-of-band, and low bandwidth operation ***NEW!***
- Full-screen or sizable remote desktop window – in full-screen mode the remote desktop display scales to user's monitor display size ***NEW!***
- PON (Power Over the NET™) support via Java
- Up to 64 user accounts – Up to 32 concurrent user logins for single-bus sharing
- Message board feature allows logged in users to communicate with each other, and allows a user to take exclusive control of the KVM functions
- External authentication support: RADIUS; LDAP; LDAPS; MS Active Directory
- Web-based Windows and Java implementations allow the server to be controlled from any browser
- Windows GUI and Java client software for non-browser access – Java works with practically all operating systems
- Supports TCP/IP, HTTP, HTTPS, UDP, DHCP, SSL, ARP, DNS, ICMP, CHAP, PPP, 10Base-T, 100Base-T
- Bandwidth optimization via grayscale and video quality setting
- On-screen keyboard
- Advanced security features include password protection and advanced encryption technologies
- Secure 128-bit SSL encryption
- Enable/disable browser operation
- Event logging
- Remote firmware upgrading

Benefits

Over-IP capability for legacy KVM switches	Protects your original KVM switch investment. No need to purchase new KVM switches to achieve the benefits of over-IP connectivity.
Configuration and Operation Ease	An easy-to-navigate graphical user interface makes for convenient, intuitive configuration and operation. Web-based Windows and Java implementations allow the remote equipment to be controlled from industry-standard web browsers. Windows and Java AP client software – using the same, convenient, GUI – are also included to provide access where a browser environment is not desired.
Superior Video	With its enhanced fps throughput for crisp responsive video display, the CN8000 offers resolutions of up to 1600 x 1200 @ 60Hz; vibrant 24-bit color depth for rich remote session display. The remote desktop can appear full-screen, or in a window. In full-screen mode the remote desktop display scales to the user's monitor display size.
Virtual Media	USB 1.1 and 2.0 devices (Floppy drives, CDROMs, Flash drives, etc.), and image files on a user's local system, appear and act as if they were installed on the remote server, for ease and convenience when performing software installation and system updates across the entire installation.
Low Bandwidth Optimization	Bandwidth optimization via grayscaling and video quality settings allow maximum data throughput in low bandwidth situations. PPP modem dial up support ensures reliable connectivity for out-of-band, and low bandwidth situations.
Multi-Platform Support	Windows and Java client software ensures that the CN8000 and the equipment that connects to it can be accessed from most of the operating systems in use today (Windows, Linux, Unix, Sun, Mac). The CN8000 also supports a broad range of communication protocols, such as TCP/IP, HTTP, HTTPS, UDP, DHCP, SSL, ARP, DNS, ICMP, CHAP, PPP, 10Base-T, and 100Base-T.
Multi-Keyboard Language Support — On-Screen Keyboard	The CN8000 supports multiple keyboard language input – including English, French, German, Italian, Spanish, Japanese, Korean, and Traditional Chinese. There is no need to have a separate keyboard for each language – you can input key data in any of these languages with the CN8000's convenient on-screen keyboard.
Multi-Users – Multi-Logins	The CN8000 supports up to 64 user accounts, and allows up to 32 concurrent user logins for single-bus access.
Message Board	To alleviate the possibility of access conflicts that may result from multiple user logins, of facilitate communication among the logged-in users, a message board – similar to an Internet chat program – allows users to communicate with each other, and provides mechanisms for a user to take exclusive control of the KVM functions.
Advanced Security	Advanced security features include password protection – a valid username and password must be given before the client software will run – and advanced encryption technologies, such as secure 128-bit SSL.
External Authentication Support	In addition to its own security protection, the CN8000 allows you to set up log in authentication and authorization management from a external sources such as RADIUS, LDAP, LDAPS, and MS Active Directory.
Event Logging	The CN8000 can record all the events that take place on it and write them to a searchable database. Administrators and selected users can search for events containing specific words or strings and retrieve them according to date and order of significance.



Specification

Function		CN8000
Connectors	Console	1 x SPHD-15 Male (Yellow)
	KVM (Computer)	1 x SPHD-15 Female (Yellow)
	Virtual Media	1 x USB Mini Type B Female (Black)
	PON	1 x DB-9 Male (Black)
	Modem	1 x DB-9 Male (Black)
	LAN	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; 6.3W
Environment	Operating Temp.	0–50°C
	Storage Temp.	-20–60°C
	Humidity	0–80% RH, Non-condensing
Physical Properties	Housing	Metal
	Weight	0.49 kg
	Dimensions (L x W x H)	20.00 x 8.15 x 2.50 cm

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Printed 05/2008 V1.0