CN8600
KVM over IP

● The CN8600 KVM over IP provides "over-IP" capability to Single Link DVI KVM switches that donot have built in over-IP functionality. It allows local and remote operators the ability to monitor and access their entire server room using a web-based browser. It also gives flexibility and convenience by offering a laptop USB console connection to monitor and access computers locally. To ensure connectivity, the CN8600 is equipped with dual LAN/dual power functionality that keeps operations to the server room- stable, smooth, and efficient.

A mini USB port on the rear panel serves a dual purpose as Virtual Media port and Laptop USB Console (LUC) port. No additional monitor, keyboard, or mouse is required locally for routine maintenance-simply use the LUC port to connect a laptop and access any computer connected to the switch for easy on site management.

The CN8600's Virtual Media function allows a user to perform diagnostic testing, file transfers, or apply updates and patches to the OS and applications from a remote console. There is no need to physically load a CD directly into a server to perform tasks locally– allowing you to troubleshoot and resolve problem sat the BIOS level up, from anywhere.

Recognizing that many applications and operations require audio functionality, the CN8600 supports speaker and microphone use locally and remotely.

ATEN capitalizes on providing affordable and durable Over-IP server management solutions that ensure the equipment is worth the investment with dependability and operational efficiency. ATEN guarantees that your CN8600 investment is protected and delivers continuous quality performance.

● CN8600 Front view

● CN8600 Rear view

Features

Hardware
- Provides over-IP capability to a DVI KVM switches that do not have built in over-IP functionality(*1)
- Local console provides USB keyboard and mouse support
- A mini USB port in the rear panel serves as a Virtual Media USB port, as well as a Laptop USB Console (LUC) port
- Two 10/100/1000 Mbps NICs for redundant LAN or two IP operation
- Dual Power Supply for power backup
- Supports multiplatform server environments: Windows, Mac, Sun, Linux and VT100 based serial devices
- Virtual Media Support (3)
- High video resolution – up to 1920 x 1200 @ 60Hz for both local and remote console.
- Enhanced fps (frames per second) throughput for crisp responsive video display
- Audio Support – microphone and speakers are supported on the local and remote console

*1 Compatible KVM Switch: ATEN DVI Single Link KVM Switches
  - Some of the CN8600's features may not be supported, depending on the functionality of the cascaded KVM switch. (For example, some switches do not support virtual media.)

Management
- Up to 64 user accounts – up to 32 users simultaneously share the control
- Console access right management
- End session feature – administrators can terminate running sessions
- Event logging and Windows-based Log Server support
- Event Logging – the CN8600 can record all the events that take place on it and write them to a searchable database.
- Critical system events sent by email and SNMP trap; and Syslog support
- Remote Firmware upgradable
- Access the CN8600 via a built – in serial viewer, or via third party software (such as PuTTY) for Telnet and SSH sessions.
- Out of Band Support. Access the CN8600 through its serial port using a dial-up connection
- 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
- Integration with ALTUSEN CC2000 Management software
- PON support to control PN0108
- DDNS- Allows the mapping of a dynamic IP address assigned by a DHCP server to a host name.
- Export/import user account and configuration settings
- Enable/disable browser operation
- IPv6 capable

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 OX 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 with configurable function icon for quick-launch

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 1.1 and 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™ - automatically synchronizes the local and remote mouse movements
• Supports Exit Macros
• BIOS-level access

Highlights

Console access right management	CN8600 provides the flexibility for administrator to decide which console has high priority – local or remote console owns the right to operate to prevent hazard caused by unexpected user's operation
Dual IP/Dual Power	The Dual IP/ Dual Power supply operation provides the backup redundancy, and reliability .Should one of the IP or one of the power supplies become unavailable, the other will take over in order to keep the system functioning normally
Laptop USB Console	The Laptop USB Console gives the flexibility and convenience to the local site to monitor and access their computers.
Audio Support	A microphone and speakers are supported on the local console and remote.
External control port	Using external control port to send out a signal to trigger light as alarm or accept a signal to lock console.

PN0108

Modem

CN8600 (Rear)

Network
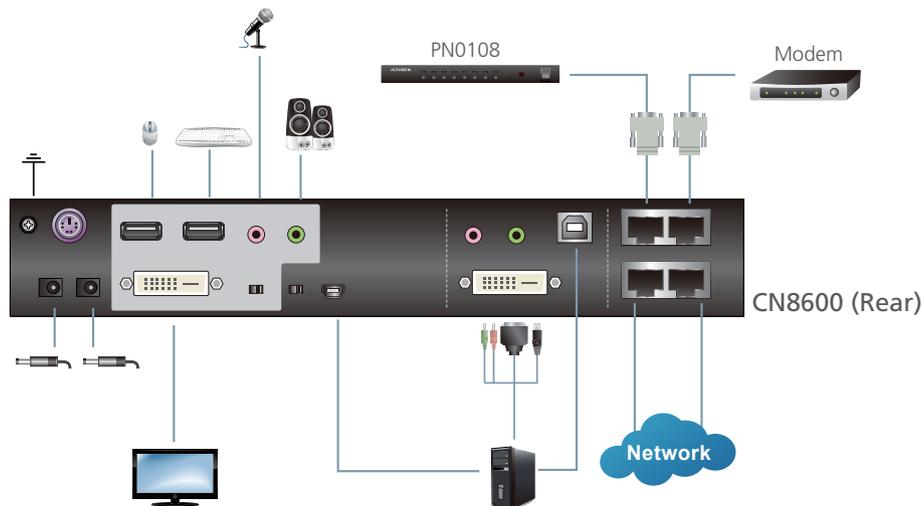
Specification

Function			CN8600
\Connectors	Console Ports	Keyboard	1 x USB Type A Female (White)
		Video	1 x DVI-D Female (White)
		Mouse	1 x USB Type A Female (White)
		Audio — Speaker	1 x Mini Stereo Jack Female (Green)
		Audio — Microphone	1 x Mini Stereo Jack Female (Pink)
	KVM Ports	Keyboard/ Mouse	1 x USB Type B Female (White)
		Video	1 x DVI-D Female (White)
		Audio — Speaker	1 x Mini Stereo Jack Female (Green)
		Audio — Microphone	1 x Mini Stereo Jack Female (Pink)
	LAN		2 x RJ-45 Female (Black)
	Virtual Media / LUC		1 x USB Mini-B Female (Black)
	DC Power		2 x DC Jack (Black)
	PON		1 x RJ-45 Female (Black)
	Serial Port		1 x RJ-45 Female (Black)
	Control		1x PS2 port
Switches	Reset		1 x Semi-recessed pushbutton (Black)
	USB Function Selection		1 x Slide switch (Black)
	Console Lock		1 x Slide switch (Black)
	Power		1 (Green)
LEDs	Console Status		1 (Green)
	Link10/ 100/1000 Mbps		Orange:10Mbps Orange + Green : 100Mpbs, Green:1000Mbps
	Remote login		1 (Green)
Emulation	Keyboard / Mouse		USB
Video			Local console - 1920 x 1200 @ 60 Hz RB Remote - 1920 x 1200 @ 60 Hz RB
Power Consumption			DC5.3V, 6W
Operating Temperature			0–50
Storage Temperature			-20-60
Humidity			0-80% RH Non-condensing
Housing			Metal
Weight			0.88 (Kg)
Dimensions			260 x 76.4 x 42 (mm)