CN8600
DVI KVM over IP

● The CN8600 DVI KVM over IP is a cost efficient over-IP device, which allows remote access of digital video, audio and virtual media via remote control of a PC or workstation. The CN8600 enables Over IP capability by connecting compatible ATEN DVI KVM switch and / or LCD console, such as the CS1768 (8-Port USB DVI KVM Switch) or CL6700 (DVI LCD Console).

For user-friendly operation, a mini USB port on the rear panel is designed as a Laptop USB Console (LUC) port or a Virtual Media 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 OS / applications updates and patches from a remote console.

To ensure seamless connectivity, the CN8600 is equipped with dual LAN/dual power functionality to keep operation in the server room smooth and efficient. The CN8600 also supports speaker and microphone for use locally and remotely

ATEN capitalizes on providing affordable and durable Over-IP server management solutions and ensures that the equipment is worth the investment with their 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 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 (*2)
- High video resolution – up to 1920 x 1200 @ 60Hz RB for both local and remote consoles
- 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

*2 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 can simultaneously share 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 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
- Firmware upgradable via remote access
- 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 conveniently grants shared or exclusive console privilege
- Integration with ALTUSEN CC2000 Management software
- PON support to control PN0108
- DDNS–allows 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
- Console Lock – Flexible Console access right management

Ease-to-Use Interface
- Browser-based and AP GUIs offer a unified multi language 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 requirements
- Full-screen or sizable and scalable Virtual Remote Desktop
- Magic Panel with configurable function 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 user slogging in from browsers
• Flexible encryption design allows users to choose any combination of 56-bit DES, 168-bit 3DES 256-bit AES, 128-bitRC4 or Random for independent keyboard/mouse, video, and virtual media data encryption
• Supports 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 at OS 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, threshold and noise settings can be adjusted 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 Lock - Flexible Console access right management	CN8600 provides the flexibility for administrators to decide which console has higher priority by using the console lock – local, remote or LUC (Laptop USB console) owns the right to operate thus preventing hazards caused by unexpected user operation
Enhanced System Availability	**Dual Gigabit LAN (10/100/1000Mbps) ports/ Dual power** The Dual LAN/ Dual Power supply operation provides backup / redundancy, and reliability. Should one of the IPs or one of the power supplies become unavailable, a backup takes over in order to keep the system functioning normally. The CN8600 has two power input sockets to allow a second power supply to be connected as a fail-safe **Modem dial-in/dial-back/dial out support for OOBC** Provides backup for networking connectivity, ensures high system reliability and availability
Audio Support	Microphone and speakers are supported by both local and remote consoles
Advanced Security External Authentication Support	In addition to its own security protection, the CN8600 allows you to set up login authentication and authorization management from external sources, such as RADIUS, LDAP, LDAPS and MS Active Directory.
Virtual Media	Virtual Media support lets you map DVD/CD-ROMs and other storage media to a remote server. This function allows you to conduct file transfers, application and OS patches, and diagnostic tests remotely.

Smart Card /CAC Reader Support	This function allows a smart card reader that is plugged into a local client computer's USB port to be redirected, and appear as if it were plugged into the remote server. One purpose of smart cards (Common Access Cards, for example) is to allow authentication to the remote server from the local client.
Virtual Remote Desktop	The remote desktop can appear in full screen or as a window with a flexible, scalable video display. Advanced features such as the Message Board, Mouse DynaSync™, Virtual Media, and Keyboard Pass Through, create a Virtual Remote Desktop that allows users to operate servers from remote locations as if they were actually at the local site.

Modem
or

PN0108

Network Switch

CN8600 (Rear)

Network

or
CS1768 DVI KVM
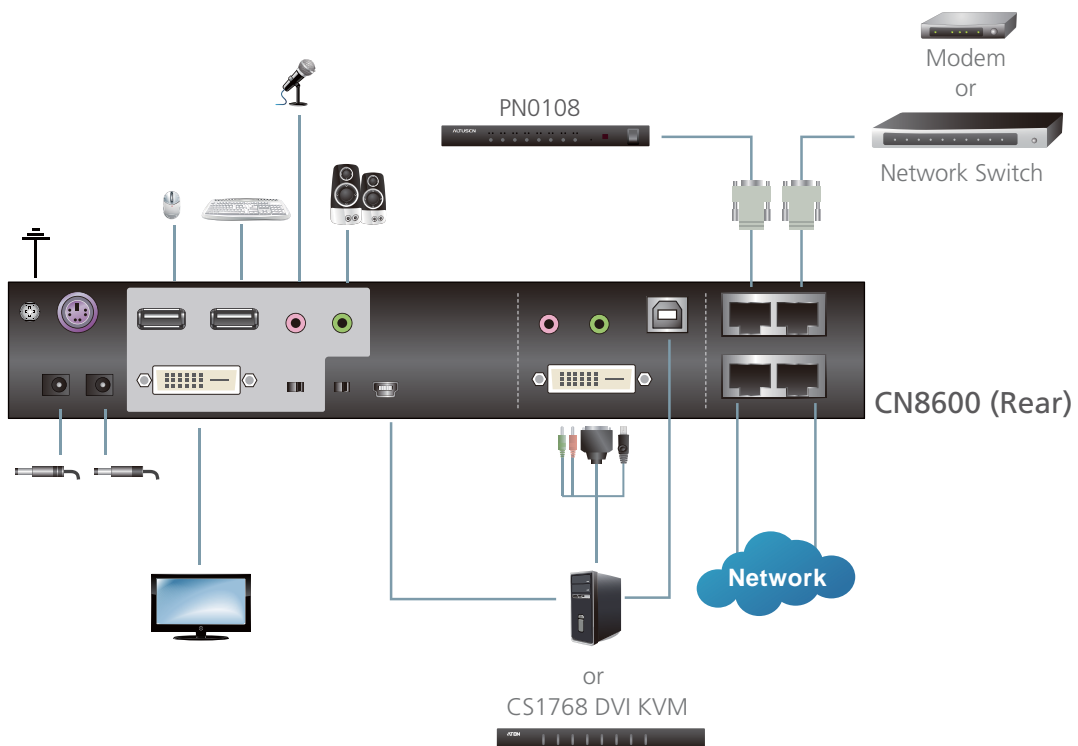
Specification

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)
			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)
			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)
	Power			2 x DC Jack(Black)
	PON			1 x RJ-45 Female(Black)
	Serial Port			1 x RJ-45 Female(Black)
	Control Port			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
Environment	Operating Temperature			0–50℃
	Storage Temperature			-20-60℃
	Humidity			0-80% RH, Non-condensing
Physical Property	Housing			Metal
	Weight			0.88 Kg
	Dimensions			26.00 x 7.64 x 4.20 cm