CN8600

1-Local/Remote Share Access
Single Port DVI KVM over IP Switch (1920 x 1200)

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).

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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.

A Windows Client and a Java Client are available for remote access. They allow IP connection and login from anywhere over the internet. In addition, ATEN also provides an iOS APP - PadClient, whose intuitive interface makes it easy to connect to the KVM over IP switch and control computers direct from your iPad. Please visit the PadClient webpage for more information.

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.

Features

- **Hardware**
- Provides over-IP capability to DVI KVM switches that do not have built-in over-IP functionality *
- 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***
- 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
    * Compatible KVM Switch: ATEN DVI Single Link KVM Switches
    ** Since there are a large number of keyboards/mouses with functions specifically designed for OS other than Windows, they may not be adapted and may have compatibility issue.
    *** 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 concurrent logins
- 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 ATEN CC2000 Management Software
- Integration with ATEN CCVSR Video Session Recording 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
  *Supports recording computer operations accessed via remote sessions.

- **Easy-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 TLS 1.2 data encryption and RSA 2048-bit certificates to secure user slogging in from browsers
- Flexible design allows users to choose any combination of encryption algorithms (e.g. 256-bit AES) or system-generated random selection 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
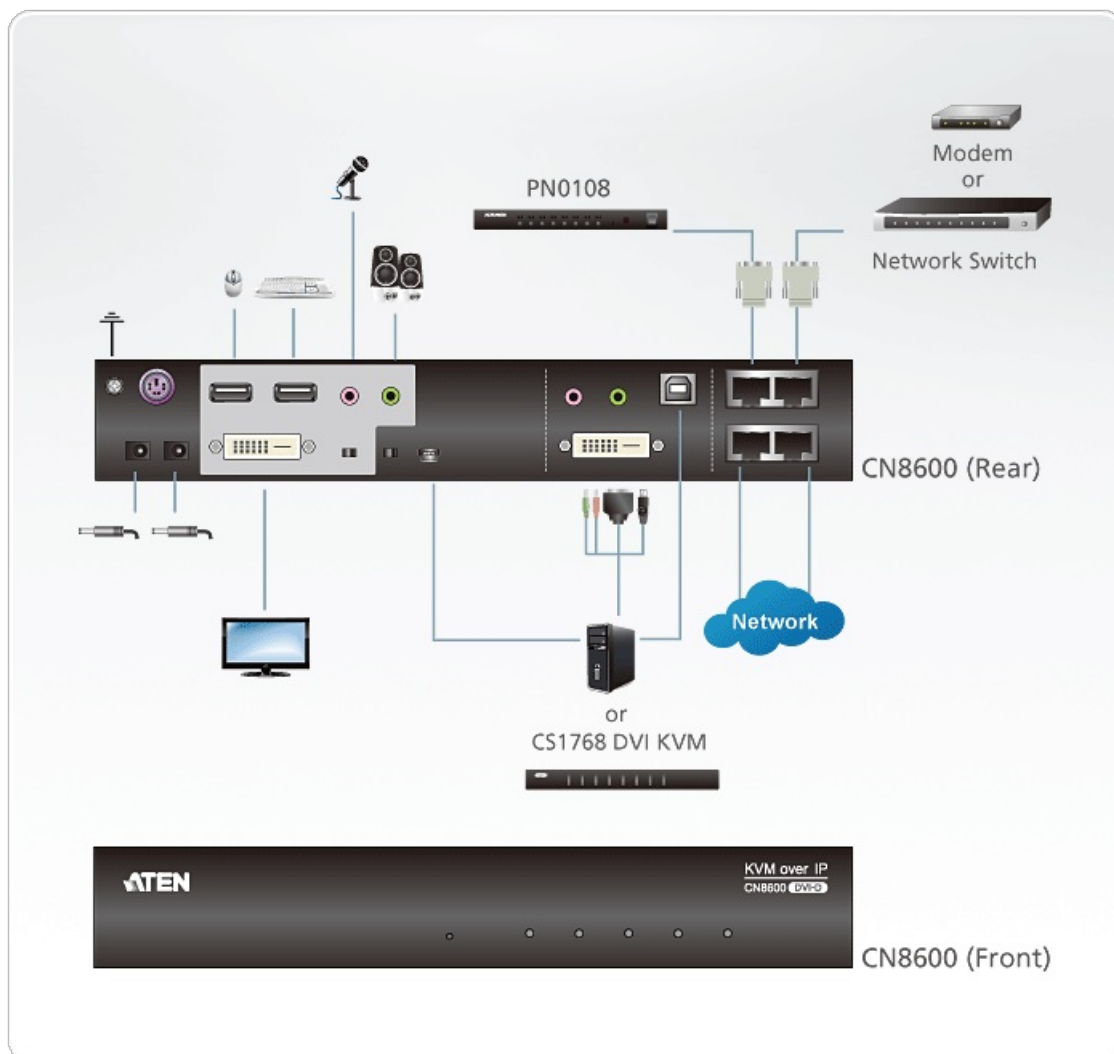
- **Virtual Remote Desktop**
- Video quality and video tolerance can be adjusted to optimize data transfer speed; monochrome color depth, threshold and noise settings can be adjusted for compression of the data bandwidth in low bandwidth situations
- Full screen video display or scalable video display
- 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

Specifications

Connectors	
Console Ports	2 x USB Type A Female (White) 1 x DVI-D Female (White) 1 x Mini Stereo Jack Female (Green) 1 x Mini Stereo Jack Female (Pink)
KVM Ports	1 x USB Type B Female (White) 1 x DVI-D Female (White) 1 x Mini Stereo Jack Female (Green) 1 x Mini Stereo Jack Female (Pink)
LAN Ports	2 x RJ-45 Female
Virtual Media	1 x USB Mini-B Female
Power	2 x DC Jack
PON	1 x RJ-45 Female
Serial	1 x RJ-45 Female
Control	1x PS/2 Female
Switches	
Reset	1 x Semi-recessed pushbutton (Black)
USB Function Selection	1 x Slide switch (Black)
Console Lock	1 x Slide switch (Black)
LEDs	
Console Status	1 (Green)
10/100/1000 Mbps	2 (Orange/ Orange+Green /Green)
Remote Login	1 (Green)
Power	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:5.56W:30BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Environmental	
Operating Temperature	0 - 50˚C

Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	0.88 kg (1.94 lb)
Dimensions (L x W x H)	26.00 x 7.64 x 4.20 cm (10.24 x 3.01 x 1.65 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram