

# USB VGA KVM over IP Mini

## CN800

The ATEN CN800 offers superior video quality with HD resolutions up to 1920 x 1200 @ 60 Hz, facilitating easier KVM access. The CN800 USB VGA KVM over IP Mini provides "over-IP" access control for conventional KVM switches lacking built-in over-IP functionality. It enables system operators to monitor and access computers remotely using Windows and Java-based application programs. The CN800 connects to an intranet, either LAN or WAN simply by using an industry-standard Cat 5e/6 cable and to a target computer or server. WinClient and JavaClient are available for remote access, enabling IP connection and login from anywhere over the internet.

The ATEN CN800 uses the standard TCP/IP protocols for communication. It allows the connected server or computer to be accessed from any computer over the internet – whether that computer is located down the hall, in other areas of the country, or branch offices in other parts of the world. The CN800 provides a fast, reliable, and 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
- Supports multi-platform server environments: Windows, Mac, Sun, Linux and VT100 based serial devices
- Virtual Media Support
- High video resolution — up to 1920 x 1200 @ 60 Hz with 24 bit color depth for remote sessions
- Enhanced FPS (frames per second) throughput for crisp responsive video display
- Bus-powered — no external power adapter required

## Management

- Up to 64 user accounts
- Up to 32 users concurrent logins
- End session feature — administrators can terminate running sessions
- Event logging and Windows-based Log Server support
- Supports instant notification of critical system events via email, SNMP trap, and Syslog
- Remote firmware upgradable
- Multi-user Mode allows multiple users to gain access to a server simultaneously
- Integration with ATEN CC2000 Centralized Management Software
- Integration with ATEN CCVSR Video Session Recording Software
- DDNS (Dynamic Domain Name System)
- Enable / disable browser operation
- IPv6 capable

## Easy-to-Use Interface

- Browser-based and AP GUIs offer a unified multi-language interface to minimize user training time and increase productivity
- Multi-platform client support (Windows, Mac OS X, Linux, Sun)
- Multi-browser supports (Chrome, Firefox, Safari, Opera)
- 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

## Advanced Security

- External authentication supports: RADIUS, LDAP, LDAPS, and MS Active Directory
- TLS 1.2 encryption to protect password when users log in
- 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 for IP / MAC Filter
- Supports password protection
- Private CA

## Virtual Media

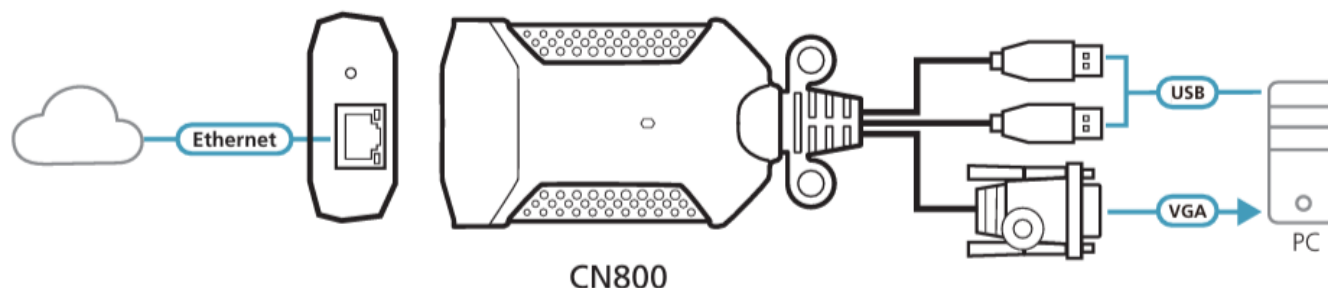
- Virtual media enables file applications, OS patching, software installation and diagnostic testing
- Works with USB enabled servers in operating system and BIOS level
- Supports USB 2.0 DVD / CD drives, USB mass storage devices, PC hard drives and ISO images
- Convenient to use without virtual media cable

## 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 multi-language support
- Mouse Dynasync
- Exit Macros support
- BIOS-level access

## Highlights

<b>Ease-to-Use User Interface</b>	A user-friendly, intuitive, GUI provides convenient access, configuration and operation.
<b>Virtual Remote Desktop</b>	The remote desktop can appear full-screen or as a window with a flexible scaling 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 just as if they were actually at the local site.
<b>Superior Video Resolution</b>	With enhanced FPS throughput for crisp responsive video display, the switches offer resolutions of up to 1920 x 1200 @ 60 Hz; vibrant 24-bit color depth for rich remote session display.
<b>Configurable Network Bandwidth Settings</b>	A Network setting is provided that allows you to streamline data throughput by adjusting the size of the data stream (bandwidth) to match network traffic conditions. Video performance can be adjusted so that data throughput is optimized for the available network bandwidth. With high speed LAN access, the network setting can be adjusted so that a greater amount of video information is sent, resulting in a higher quality video display. In a limited bandwidth situation, the network setting can be adjusted so that net lag is minimized.
<b>Mouse DynaSync</b>	Automatically synchronizes the local and remote mouse movements for perfect alignment of mouse pointers, regardless of server mouse acceleration settings.
<b>Message Board</b>	To alleviate the problem of access conflicts arising from multiple logins, the Message Board functions like an internet chat program, allowing logged-in users in to instantly communicate with each other.
<b>Virtual Media</b>	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 diagnostics remotely.



## Specifications

	CN800
<b>Connectors</b>	
KVM (Computer) Ports	1 x USB Type-A Male (Purple) 1 x USB Type-A Male (Black) 1 x VGA Male (Blue)
LAN Ports	1 x RJ-45 Female
<b>Switches</b>	
Reset	1 x Semi-recessed Pushbutton
<b>LEDs</b>	
Power	1 (Green)
Link	1 x Link (Orange / Green) 1 x Active (Green)
<b>Emulation</b>	
Keyboard / Mouse	USB
<b>Video</b>	
	1920 x 1200
<b>Power Consumption</b>	
	DC5V:3.47W
<b>Environmental</b>	
Operating Temperature	0 – 50 °C
Storage Temperature	-20 – 60 °C
Humidity	0 - 80% RH, Non-condensing
<b>Physical Properties</b>	
Housing	Plastic
Weight	0.17 kg
Dimensions (L x W x H)	9.32 x 5.66 x 2.44 cm