

1-Local/Remote Share Access Single Port VGA KVM over IP Switch

CN9000

The CN9000 VGA KVM over IP Switch 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 CN9000 expands on previous models by providing a more compact, slimmer space-saving design for utility optimization, and a FPGA graphics processor that offers better image and video quality to enhance user experience, while also meeting the RS-232 standards for serial control.

For user-friendly operation, a mini USB port on the front panel is designed as a Laptop USB Console (LUC) port. Users just simply connect a laptop to the LUC port, and can access any computer connected to the switch for easy on-site management. That means no additional monitor, keyboard and mouse is strongly required locally for routine maintenance. Besides, the CN9000'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 CN9000 is equipped with dual LAN and dual power functionality to keep operation in the server room smooth and efficient. The CN9000 also supports microphone and speakers on the local and remote console.

Integrating all these advanced functionalities, the CN9000 provides an affordable and durable over-IP server management solution while assuring users with operational dependability and efficiency.



Front View



Rear View



Features

Hardware

- High video resolution – up to 1920 x 1200 @ 60 Hz
- Laptop USB Console (LUC) – a dedicated USB port directly connects to laptop for easy console operation
- Message board – convenient communication for remote users
- Serial console management – access server via built-in serial viewer or third party software (such as PuTTY) for Telnet and SSH sessions
- Provides over IP capability to KVM switches without over IP functionality
- Browser-based UI in pure web technology allows administrators to perform administrative tasks without a pre-installed Java software package required
- Provides a FPGA graphics processor for better image quality and enhanced fps (frames per second) throughput for crisp video display response
- Dual power supply and dual LAN for backup
- Supports 5-pin Relay/DI control Terminal for environment monitoring and control
- Supports Legacy PS/2 keyboard and mouse

Management

- Complies to the RS-232 standards for serial control
- 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 CN9000 can record all events that take place on it and write them to a searchable database
- Supports instant notification of critical system events via email, SNMP trap and Syslog
- Firmware upgradable via remote access
- Access the CN9000 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 CN9000 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
- DDNS – allows mapping of a dynamic IP address assigned by a DHCP server to a host name
- Supports export/import of user account and configuration settings
- Supports permission-controlled browser operation
- Supports IPv6

Easy-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 OS 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

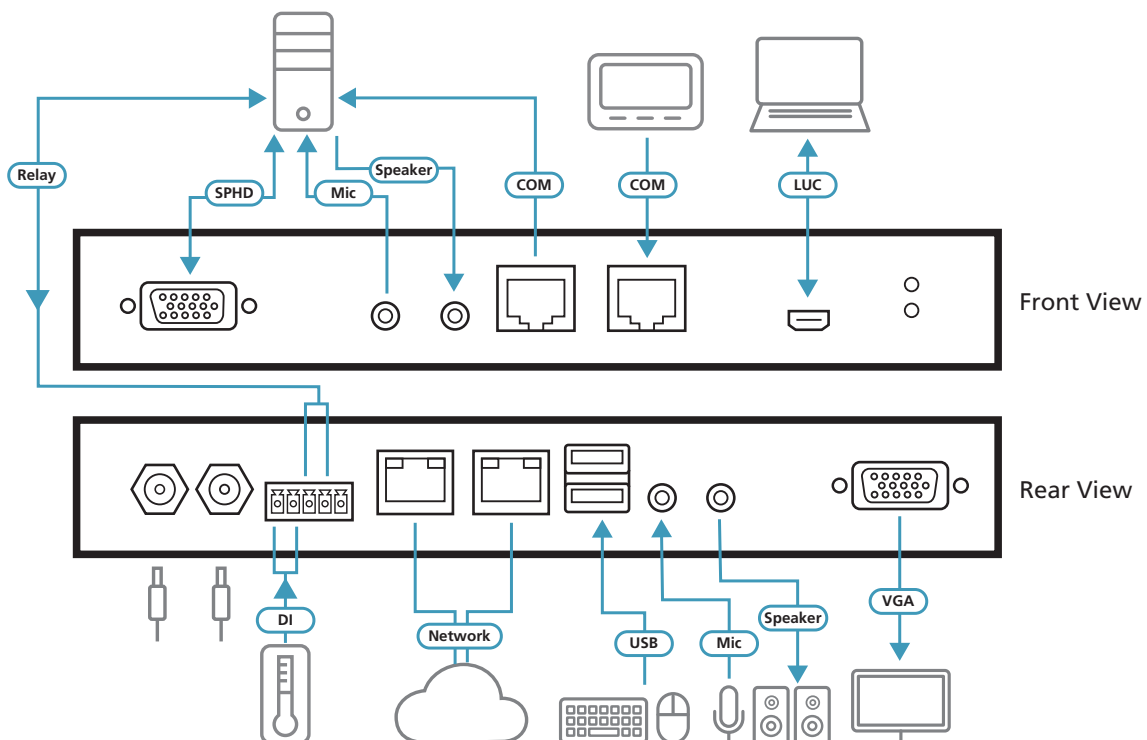
- Smart Card/CAC Reader support
- External authentication support: RADIUS, LDAP, LDAPS and MS Active Directory
- Supports TLS 1.2 data encryption and RSA 2048-bit certificates to secure users logging in from browsers RC4 or Random for independent keyboard/mouse, video, and virtual media data encryption
- 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, folders 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

CN9000	
Connectors	
Console Ports	2 x USB Type A Female (White) 1 x VGA Female (Blue) 1 x Mini Stereo Jack Female (Green) 1 x Mini Stereo Jack Female (Pink)
KVM Ports	1 x SPHD Female (Yellow) 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
Serial	2 x RJ-45 Female
Control	1x PS/2 Female
Switches	
Reset	1 x Semi-recessed pushbutton (Black)
Emulation	
Keyboard / Mouse	USB, PS/2
LEDs	
Power	2 (Green)
Video	Local console - 1920 x 1200 @ 60 Hz Remote console - 1920 x 1200
Power Consumption	DC5V:7.46W:39BTU
Environmental	
Operating Temperature	0 – 50 °C (CN9000) 0 – 40 °C (Power Adapter)
Storage Temperature	-20 – 60 °C
Humidity	0 – 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	0.86 kg
Dimensions (L x W x H)	20.00 x 15.41 x 2.85 cm

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