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

CN9000

The CN9000 VGA KVM over IP Switch allows remote access and control of the video, audio and virtual media of a PC or workstation, featuring VGA high video resolution up to 1920 x 1200 @ 60Hz at both the local and remote consoles. Equipped with USB and PS/2 (keyboard and mouse) support, CN9000 is compatible not only with modern-day workstations, but also legacy systems and older generation servers.

For user-friendly operation, a mini USB port on the front panel is designed as a Laptop USB Console (LUC) port for connection to a laptop, which allows the user to access the PC/server for easy routine maintenance without requiring an additional monitor, keyboard and mouse.

To ensure stable connectivity, the CN9000 is equipped with dual LAN and dual power functionality to keep operation in the server room smooth and efficient. Its power status detection function automatically sends out event notifications when the device becomes offline (e.g. power failure) for device status monitoring. Moreover, the CN9000 features a 5-pin Relay / DI (digital input) terminal block allowing for remote reboot of the local server, and receiving digital inputs from a connected input/alarm device for notification of critical events.

For ease of remote management, the CN9000 WebClient Viewer supports remote desktop access without additional software applications. The VGA KVM over IP Switch provides a web-based GUI for remote access and management. With a unified multilanguage interface, it can effectively minimize user training time and increase productivity.

| IP Ready TCP/IP | Remote UI Browser | Shared Access 1 Local User / 32 Remote Users | Console USB | Computers SPHD PS/2, USB | Virtual Media |

Front View

Rear View

Features

Hardware
- High video resolution – up to 1920 x 1200 @ 60 Hz
- Laptop USB Console (LUC) – a dedicated mini USB port for direct, easy console operation via a laptop
- Provides over IP capability to KVM switches without over IP functionality
- Provides an FPGA graphics processor for better image quality
- Dual power supply and dual LAN for power and network redundancy
- Supports a 5-pin Relay/DI control terminal for environment monitoring and a contingency approach to virtually reboot the PC when crashed
- Supports USB and 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 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
- 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, Linux, Sun)
- Multibrowser support (IE, Firefox, Safari, Opera, Chrome)
- 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
- 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 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

Front View

Rear View
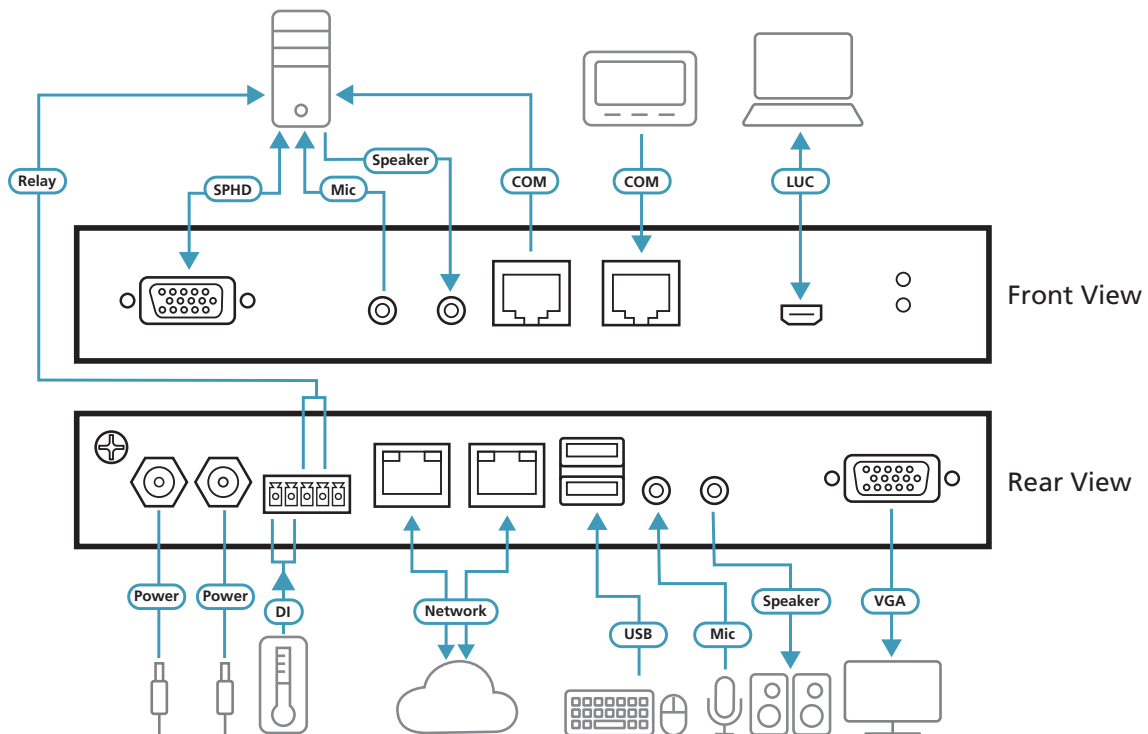
Specifications

	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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