

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

RCM101D

- The RCM101D DVI KVM over IP Switch supports Panel Array for monitoring all machines with multiple RCM products, and offers advanced and exclusive RCM and OCR API (DDL) interfaces with various function integrated for easy management. Furthermore, with the optional 2XRT-0015G KVM over IP Access Control Box, the RCM101D allows users to enable or disable remote control privilege.

The RCM101D 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. It enables Over IP capability by connecting compatible ATEN DVI KVM switch and/or LCD console, such as the CS1768 (8-Port USB DVI/Audio 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 which also can function as a Virtual Media 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 RCM101D'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 RCM101D is equipped with dual LAN and dual power functionality to keep operation in the server room smooth and efficient. The RCM101D also supports speaker and microphone for local and remote use.

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 RCM101D investment is protected and delivers continuous quality performance.

Front View



Rear View



Features

Exclusive RCM functionalities

- Supports Access Control Box which allows users to enable/disable remote control privilege
- Supports Panel Array to monitor all machines for operators with multiple RCM products
- Supports exclusive integrated RCM API (DLL) interface with various function for system integrators
- Supports OCR API (DLL) interface for optical character recognition

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 on 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

** Some of the RCM101D'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 RCM101D 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; Syslog support
- Firmware upgradable via remote access
- Access the RCM101D 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 RCM101D 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
- PON support to control PN0108
- DDNS – allows mapping of a dynamic IP address assigned by a DHCP server to a host name
- Exports/imports user account and configuration settings
- Enables/disables browser operation
- IPv6 capable
- Console Lock – flexible Console access right management

Ease-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
- 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 and ISO images

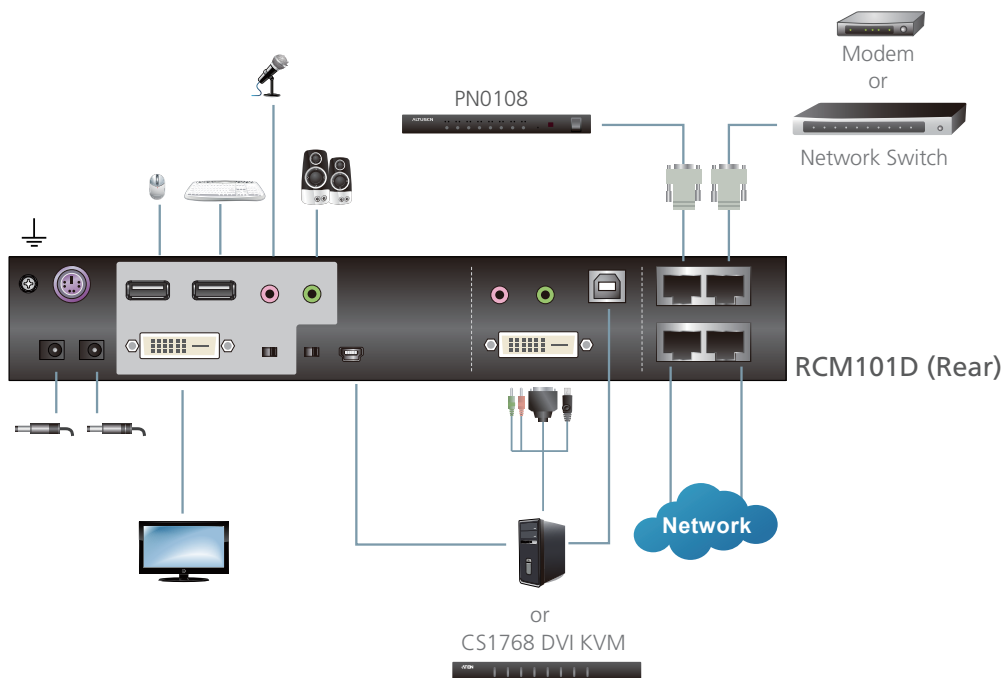
Virtual Remote Desktop

- 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

Exclusive RCM Features	<p>The RCM101D is compatible with the 2XRT-0015G KVM over IP Access Control Box, allowing users to enable or disable remote control privilege, and supports Panel Array for monitoring all machines with multiple RCM products. The RCM101D also offers advanced and exclusive RCM and OCR API (DDL) interfaces with various function integrated for easy management.</p>
Console Lock – flexible Console access right management	<p>RCM101D 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.</p>
Enhanced System Availability	<p>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 RCM101D has two power input sockets to allow a second power supply to be connected as a fail-safe.</p> <p>Modem dial-in/dial-back/dial out support for OOB Provides backup for networking connectivity, ensures high system reliability and availability.</p>
Audio Support	<p>Microphone and speakers are supported by both local and remote consoles.</p>

Advanced Security External Authentication Support	In addition to its own security protection, the RCM101D 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.



Specifications

Function	RCM101D
Connectors	
Console Ports	2 x USB Type A Female (White) 1 x DVI-D Female (White) 1 x 3.5mm Audio Jack Female (Green) 1 x 3.5mm Audio Jack Female (Pink)
KVM Ports	1 x USB Type B Female (White) 1 x DVI-D Female (White) 1 x 3.5mm Audio Jack Female (Green) 1 x 3.5mm Audio 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 Port	1 x RJ-45 Female
Control Port	1 x 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)
Emulation	
Keyboard/Mouse	USB
LEDs	
Console Status	1 (Green)
10/100/1000 Mbps	2 (Orange/ Orange+Green /Green)
Remote Login	1 (Green)
Power	1 (Green)
Video	Local console – 1920 x 1200 @ 60 Hz RB Remote – 1920 x 1200 @ 60 Hz RB
Power Consumption	DC 5.3V: 5.56W: 30BTU
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
Dimensions (L x W x H)	26.00 x 7.64 x 4.20 cm

Product information is subject to change without prior notice.

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