

RCM101D

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



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.

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 (DDL) 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
 - ** 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 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
- Browser Access Permission – extra security feature to allow/disallow browser/http/https access
- IPv6 capable
- Console Lock – flexible Console access right management

• 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
- 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**

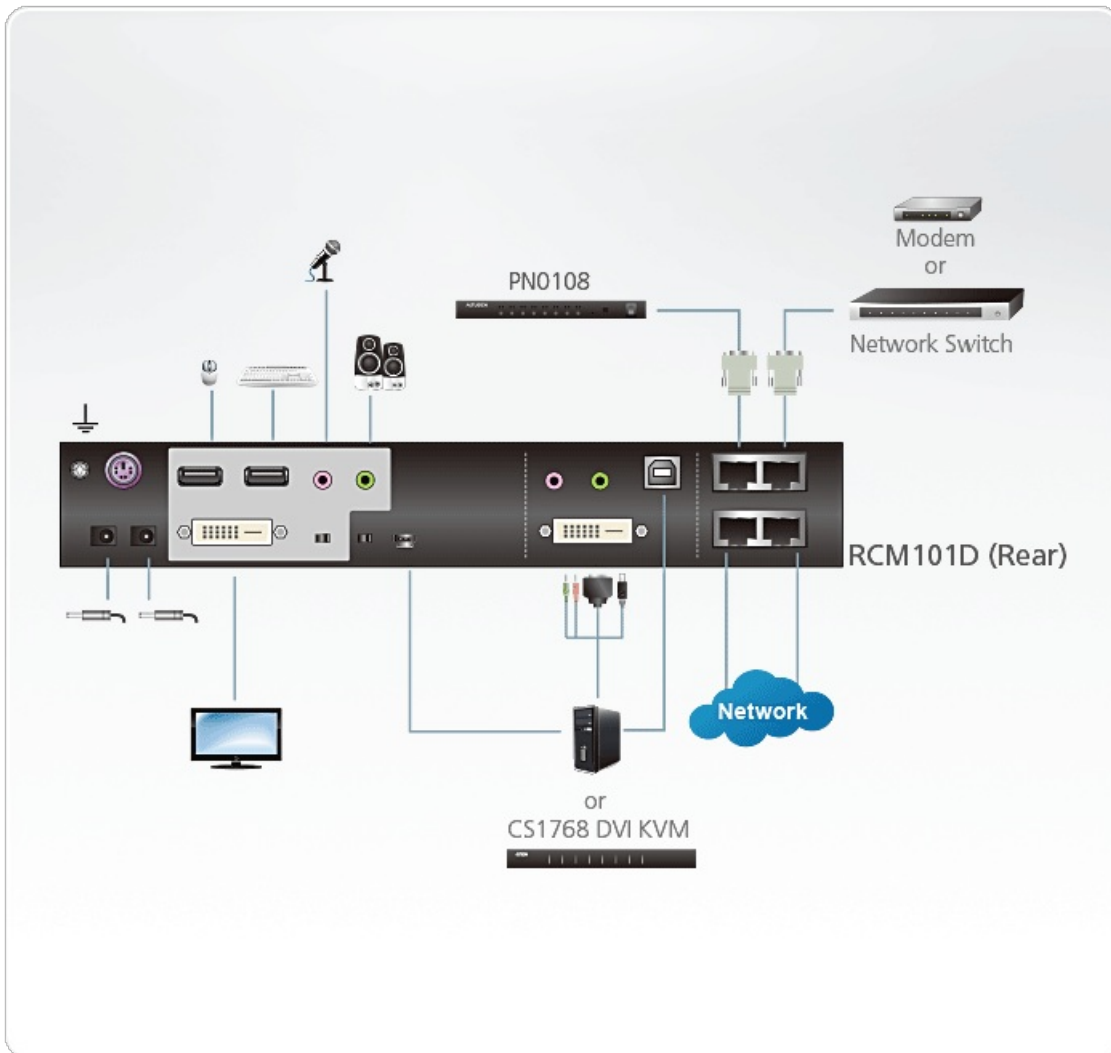
- Video quality and video tolerance can be adjusted to optimize data transfer speed; monochrome color depth, threshold and noise settings can be adjusted for compression of the data bandwidth in low bandwidth situations
- Full screen video display or scalable video display
- Message Board for communication 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: <ul style="list-style-type: none"> ● 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



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