1-Local/Remote Share Access Single Port VGA KVM over IP Switch
RCM101A

● The ATEN RCM101A 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 RCM101A allows users to enable or disable remote control privilege.

The RCM101A features superior video quality with HD resolutions up to 1920 x 1200, LUC (Laptop USB Console) for easier KVM access, user-friendly local console OSD and virtual media function without additional cable.

System operators can monitor and access computers from remote locations using standard Web browsers or Windows and Java based application programs. The RCM101A connects to the Intranet either LAN or WAN simply by using an industry standard Cat 5e/6 cable, and is connected to a local KVM switch or server via a custom KVM cable.

Complying with the standard TCP/IP protocols for communications, the RCM101A allows the connected server or KVM switch 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.

A Windows Client Viewer and a Java Applet Viewer are available for browser access, while Windows Client AP and Java Client AP programs are provided for non-browser GUI access. They allow IP connection and login from anywhere over the internet. Inclusion of a Java-based client ensures that the RCM101A is an independent platform, and is able to work with practically all operating systems.

To meet advanced security requirements, the RCM101A's Virtual Media function allows a Smart Card/CAC reader on a user's local system to be mapped to a remote server. The RCM101A provides a fast, reliable and a cost effective way to remotely access and manage widely distributed multiple computer installations.

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 KVM switches that do not have built-in over-IP functionality*
• Supports PS/2, USB, Sun Legacy (13W3) and serial (RS-232) connectivity
• Local console provides PS/2 and USB keyboard/mouse support
• 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- 24 bit color depth for the local console; 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
* Cascade-compatible KVM Switches include the following: CS1308, CS1316, CS1754*, CS1758*, CS1708A, CS1716A
  - Some of the RCM101A's features may not be supported, depending on the functionality of the cascaded KVM switch. (For example, some switches do not support virtual media.)
  - Some features found on the cascaded KVM switches may not be supported on the RCM101A. (For example, the CS1754's audio.)

Management
• Laptop USB Console (LUC) – a dedicated USB port directly connects to laptop for easy console operation
• Easy configuration through local console OSD
• Up to 64 user accounts – up to 32 users can simultaneously share control
• End session feature – administrators can terminate running sessions
• Event logging and Windows-based Log Server support
• Critical system events sent by email and SNMP trap; Syslog support
• Remote firmware upgradable
• 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 (Dynamic Domain Name System)
• Exports/imports user account and configuration settings
• Enables/disables browser operation
• IPv6 capable

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

Advanced Security
• Smart Card/CAC Reader Support
• External authentication support: RADIUS, LDAP, LDAPS and MS Active Directory
• TLS 1.2 encryption to protect password when users log in
• 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 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, 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 multilanguage support
- Mouse DynaSync™ – automatically synchronizes the local and remote mouse movements
- Supports Exit Macros
- BIOS-level access

Highlights

Exclusive RCM Features	The RCM101A 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 RCM101A also offers advanced and exclusive RCM and OCR API (DDL) interfaces with various function integrated for easy management.
Laptop USB Console (LUC)	A dedicated USB port directly connects to your Laptop for easy console operation.
Over-IP capability for legacy KVM switches	Protects your original KVM switch investment. No need to purchase new KVM switches to achieve the benefits of over-IP connectivity.
Multi-Keyboard Language Support — On-Screen Keyboard	The RCM101A supports multiple keyboard language input – including English, French, German, Italian, Spanish, Japanese, Korean, and Traditional Chinese. There is no need to have a separate keyboard for each language – you can input key data in any of these languages with the RCM101A's convenient on-screen keyboard.
External Authentication Support	In addition to its own security protection, the RCM101A allows you to set up log in authentication and authorization management from external sources such as RADIUS, LDAP, LDAPS, and MS Active Directory.
Ease-to-use user interface	A user-friendly, intuitive, GUI provides convenient, access, configuration and operation. Local Console, browser-based and AP GUIs offer a unified multilanguage interface to minimize user training time and increase productivity.
Virtual Remote Desktop	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.
Superior Video	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.

Configurable Network Bandwidth settings	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.
Mouse DynaSync	Automatically synchronizes the local and remote mouse movements for perfect alignment of mouse pointers, regardless of server mouse acceleration settings.
Message Board	To alleviate the problem of access conflicts arising from multiple logins, the Message Board functions like an Internet chat program, allowing users who are logged in to instantly communicate with each other.
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 diagnostics remotely.
Smart Card Reader	The smart card reader function allows a reader 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.
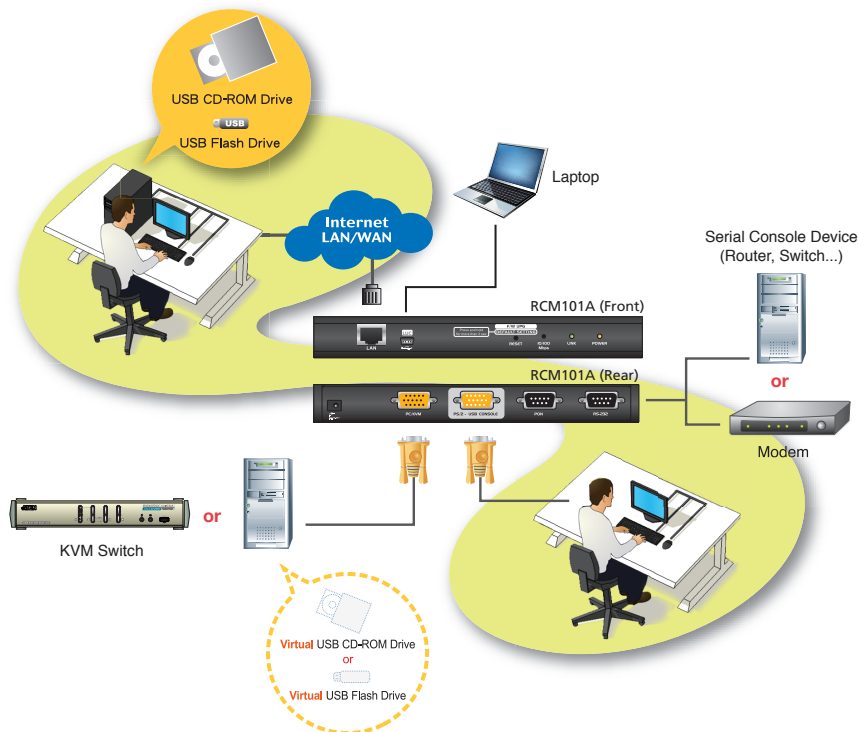
Specifications

Function	RCM101A
Connectors	
Console Port	1 x SPHD-18 Male (Yellow)
KVM Port	1 x SPHD-18 Female (Yellow)
Laptop USB Console (LUC) Port	1 x USB Mini-B Female
PON	1 x DB-9 Male
RS-232	1 x DB-9 Male
LAN Port	1 x RJ-45 Female
Power	1 x DC Jack
Switches	
Reset	1 x Semi-recessed pushbutton
Emulation	
Keyboard/Mouse	USB, PS/2
LEDs	
Power	1 (Orange)
Link	1 (Green)
10/100/1000 Mbps	2 (Orange/ Orange+Green /Green)
Video	Up to 1920 x 1200 @ 60 Hz; DDC2B
Power Consumption	DC 5.3V: 4.79W: 31BTU
Environmental	
Operating Temperature	0 – 50°C (RCM101A) 0 – 40°C (Power Adapter)
Storage Temperature	-20 – 60°C
Humidity	0 – 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	0.49 kg
Dimensions (L x W x H)	20.00 x 8.14 x 2.50 cm

Product information is subject to change without prior notice.

ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789   Fax: 886-2-8692-6767
www.aten.com   E-mail: marketing@aten.com