



## ATEN RCMA200SA RCM Adapter Module with 60-pin and RS-232 Control for UF200SA Server User Manual

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Adapter Module with 60-pin and RS-232 Control for UF200SA Server User Manual



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## Compliance Statements

### FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. The device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### Warning

Operation of this equipment in a residential environment could cause radio interference.



### Industry Canada Statement

This Class A digital apparatus complies with Canadian ICES-003.  
CANINES-003(A)NBM-003(A)

### RoHS

This product is RoHS compliant.

### User Information

#### Online Registration

Be sure to register your product at our online support center:

International : <http://eservice.aten.com>

## Telephone Support

For telephone support, call this number:

International	886-2-8692-6959
China	86-400-810-0-810
Japan	81-3-5615-5811
Korea	82-2-467-6789
North America	1-888-999-ATEN ext 4988

## User Notice

All information, documentation, and specifications contained in this manual are subject to change without prior notification by the manufacturer. The manufacturer makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties as to merchantability or fitness for any particular purpose. Any of the manufacturer's software described in this manual is sold or licensed as is. Should the programs prove defective following their purchase, the user (and not the manufacturer, its distributor, or its dealer), assumes the entire cost of all necessary servicing, repair and any incidental or consequential damages resulting from any defect in the software.

The manufacturer of this system is not responsible for any radio and/or TV interference caused by unauthorized modifications to this device. It is the responsibility of the user to correct such interference. The manufacturer is not responsible for any damage incurred in the operation of this system if the correct operational voltage setting was not selected prior to operation. PLEASE VERIFY THAT THE VOLTAGE SETTING IS CORRECT BEFORE USE.

## Product Information

For information about all ATEN products and how they can help you connect without limits, visit ATEN on the Web or contact an ATEN Authorized Reseller. Visit ATEN on the Web for a list of locations and telephone numbers:

**International:** <http://www.aten.com>

**North America:** <http://www.aten-usa.com>

## Package Contents

Check to make sure that all the components are in working order. If you encounter any problem, please contact your dealer. 1 RCMA200SA RCM Adapter Module with 60-pin and RS-232 Control for UF200SA Server

1 power adapter

1 console cable

1 foot pad set (4 pcs)

1 user instructions

### About This Manual

This manual is provided to help you get the most out of your RCM Adapter Module with 60-pin and RS-232 Control for UF200SA Server. It covers all aspects of the device, including installation, configuration, and operation. An overview of the information found in the manual is provided below.

**Chapter 1**, Introduction, introduces you to the RCM Adapter Module with 60-pin and RS-232 Control for UF200SA Server, its purpose, features, and benefits, with its front and back panel components described.

**Chapter 2**, Hardware Setup, provides step-by-step instructions for setting up the RCM Adapter Module with 60-pin and RS-232 control for UF200SA Server, and explains some of its basic operation procedures.

**Appendix**, provides the technical and troubleshooting information at the end of the manual.

### Note:

- Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit or connected devices.
- The product may be updated, with features and functions added, improved, or removed since the release of this manual. For an up-to-date user manual, visit <http://www.aten.com/global/en/>

## Conventions

## This manual uses the following conventions:

**Monospaced** Indicates text that you should key in.

[ ] Indicates keys you should press. For example, [Enter] means to press the Enter key. If keys need to be chorded, they appear together in the same bracket with a plus sign between them: [Ctrl+Alt].

1. Numbered lists represent procedures with sequential steps.

◆ Bullet lists provide information, but do not involve sequential steps.

> Indicates selecting consecutive options (such as on a menu or dialog box). For example, Start > Run means to open the Start menu, and then select Run.



Indicates critical information

## Chapter 1 Introduction

### Overview

The RCMA200SA, the industry's first adapter module, is designed to work with ATEN KA7174 and RCM series multi-port products (such as RCM816), it can easily access F300 and UF200SA from both local and remote consoles. It also supports virtual keyboard for the convenience of installation and application.

### Features

- Designed for UF300 and UF200SA production line application
- With ATEN KA7174 and RCM series multi-port products (such as RCM816), the RCMA200SA can easily access from local console and over IP remote console.
- Supports virtual keyboard for easy operation
- Firmware upgradable

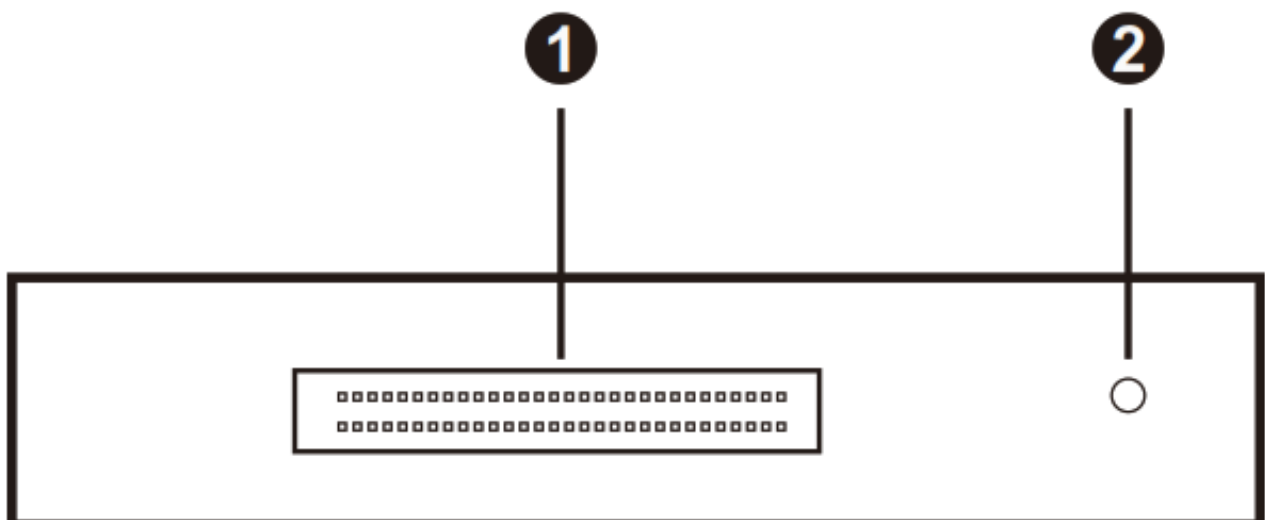
### Requirements

Console

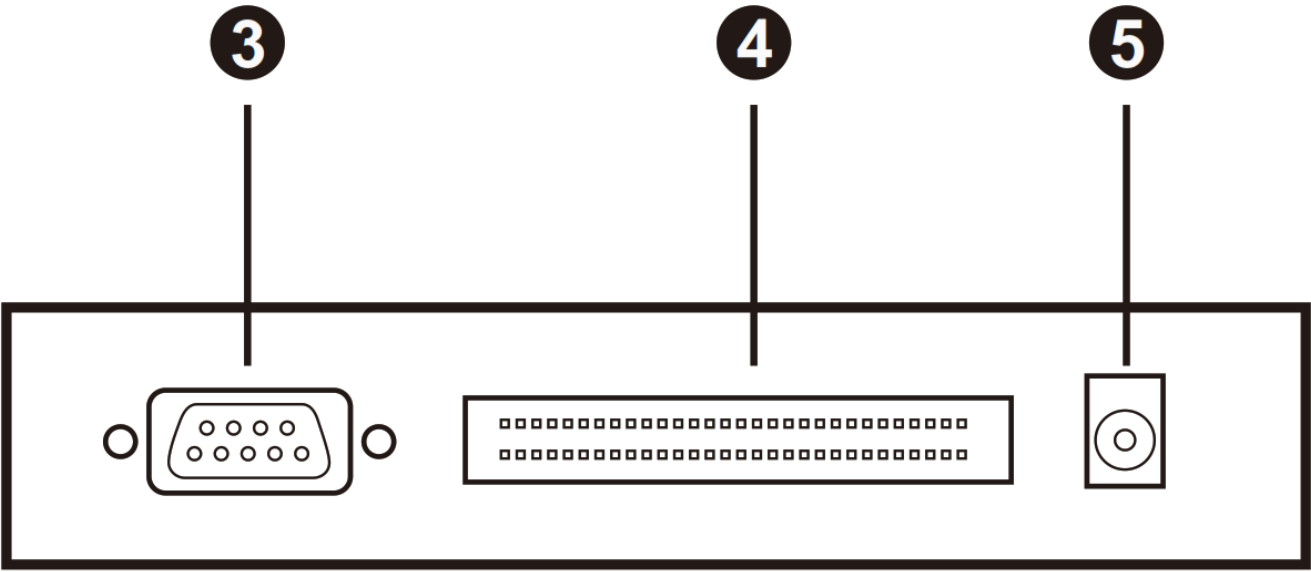
- An UF300 or UF200SA touch panel
- An UF300 or UF200SA keyboard
- A KA7174 and RCM series multi-port products (such as RCM816)

### Components

Front View



Rear View



No.	Component	Description
1	60-pin output port	Connects to an UF300 or UF200SA work station via the supplied console cable.
2	power LED	Lights green: The unit is receiving power.
		Off: The unit is powered off.
3	RS-232 serial port	This RS-232 serial port is for connecting to a serial terminal port on a KA7174. This serial port is designed to work with KA7174 only.
4	60-pin input port	Connects to an UF300 or UF200SA touch panel and an UF300 or UF200SA keyboard via the supplied console cable.
5	power jack	Receives a power adapter to supply power to the unit.


Chapter 2 Hardware Setup

Overview

This chapter outlines a quick hardware connection summary for single station installation.

Before You Begin

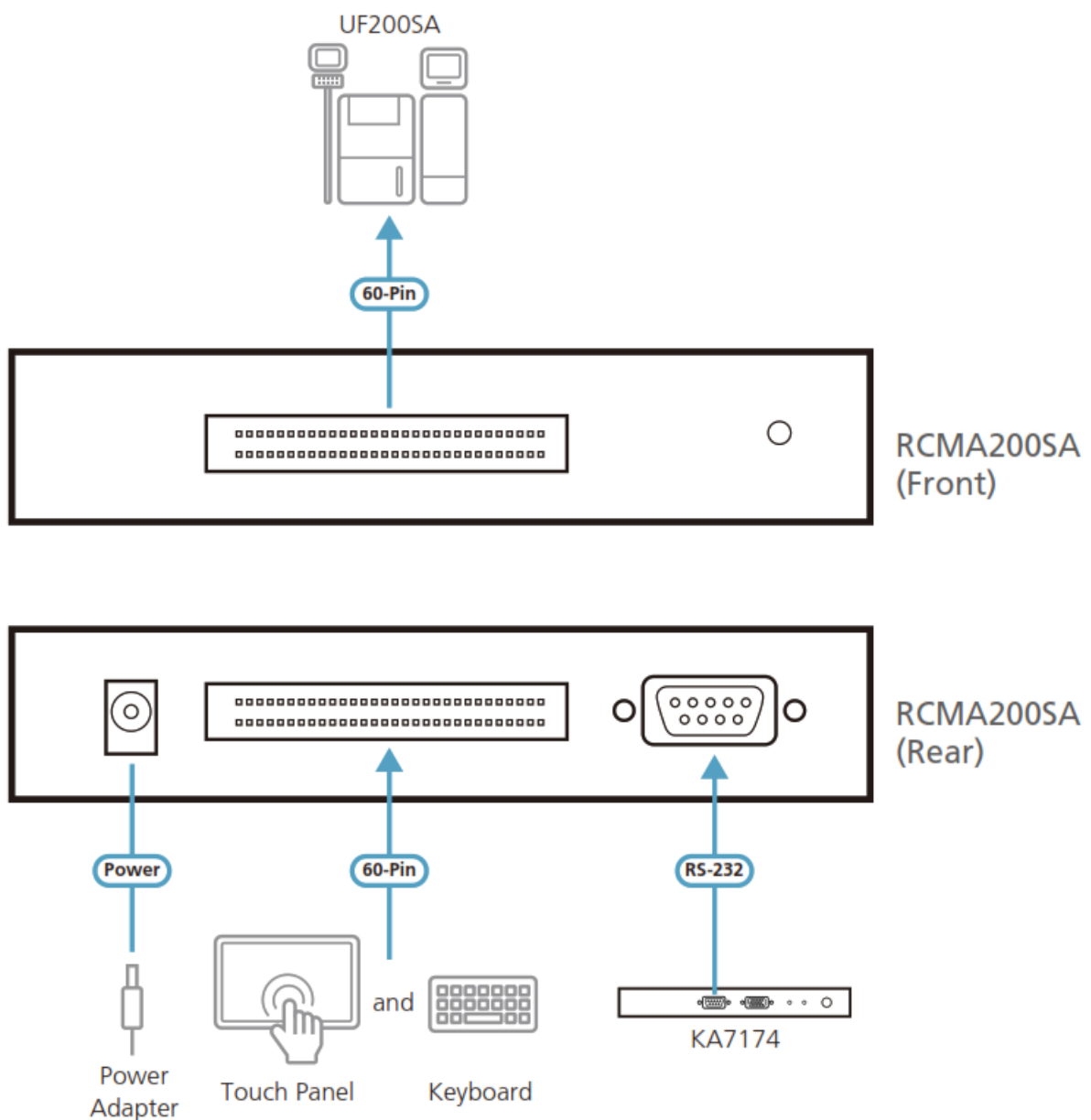
1. Important safety information regarding the placement and grounding of this device is provided on page 7 and onwards. Please review it before proceeding.
2. Make sure that power to all the devices you will be connecting up have been turned off. You must unplug the power cords of any computers that have the Keyboard Power On function.

3.  Please operate the device with caution when under high environmental temperatures, as the surface of the device may become overheated under such conditions. For instance, the surface temperature of the device may reach 70 °C (158 °F) or higher when the environmental temperature reaches close 50 °C (122 °F).

## Single Station Installation

For single station installation, refer to the installation diagram and procedures below. The numbers shown in the diagram correspond to the installation procedure step numbers.

1. Connect your UF300 or UF200SA touch panel and an UF300 or UF200SA keyboard to the unit's 60-pin input port using the supplied console cable.
2. For control of serial devices, connect a serial port on a KA7174 to the unit's RS-232 serial port. This RS-232 serial port is designed to work with KA7174 only.
3. Connect the UF300 or UF200SA work station to the unit's 60-pin output using the supplied console cable.
4. Connect the unit to power, thereby turning it on, by plugging the power adapter into AC power source and plug the other ends into the unit's power jack. Please see Powering On Sequence, page 5 before powering on the RCMA200SA.



### Powering On Sequence

Please follow the power sequence below to safely power on the RCMA200SA.

1. Make sure the UF300 and UF200SA is turned off.

2. Connect all the cables and devices required for your installation. See Single Station Installation, page 4.
3. Power on KA7174 and RCM series multi-port devices and then power on the RCMA200SA.

**Note:** The RCMA200SA does not support hot plugging.

### **Powering Off and Restarting**

If it becomes necessary to power off the console station, disconnect the power adapter and wait for 30 seconds before reconnecting it back.

## **Appendix**

### **Safety Instructions**

#### **General**

- This product is for indoor use only.
- Read all of these instructions. Save them for future reference.
- Follow all warnings and instructions marked on the device.
- Do not place the device on any unstable surface (cart, stand, table, etc.). If the device falls, serious damage will result.
- Do not use the device near water.
- Do not place the device near, or over, radiators or heat registers.
- The device cabinet is provided with slots and openings to allow for adequate ventilation. To ensure reliable operation, and to protect against overheating, these openings must never be blocked or covered.
- The device should never be placed on a soft surface (bed, sofa, rug, etc.) as this will block its ventilation openings. Likewise, the device should not be placed in a built in enclosure unless adequate ventilation has been provided.
- Never spill liquid of any kind on the device.
- Avoid circuit overloads. Before connecting equipment to a circuit, know the power supply's limit and never exceed it. Always review the electrical specifications of a circuit to ensure that you are not creating a dangerous condition or that one doesn't already exist. Circuit overloads can cause a fire and destroy equipment.
- Unplug the device from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- The device should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- To prevent damage to your installation it is important that all devices are properly grounded.
- Do not allow anything to rest on the power cord or cables. Route the power cord and cables so that they cannot be stepped on or tripped over.
- Position system cables and power cables carefully; Be sure that nothing rests on any cables.
- When connecting or disconnecting power to hot-pluggable power supplies, observe the following guidelines:
  - Install the power supply before connecting the power cable to the power supply.
  - Unplug the power cable before removing the power supply.
- If the system has multiple sources of power, disconnect power from the system by unplugging all power cables from the power supplies.
- Never push objects of any kind into or through cabinet slots. They may touch dangerous voltage points or short out parts resulting in a risk of fire or electrical shock.

- Do not attempt to service the device yourself. Refer all servicing to qualified service personnel.
- If the following conditions occur, unplug the device from the wall outlet and bring it to qualified service personnel for repair.
- The power cord or plug has become damaged or frayed.
- Liquid has been spilled into the device.
- The device has been exposed to rain or water.
- The device has been dropped, or the cabinet has been damaged.
- The device exhibits a distinct change in performance, indicating a need for service.
- The device does not operate normally when the operating instructions are followed.
- Only adjust those controls that are covered in the operating instructions. Improper adjustment of other controls may result in damage that will require extensive work by a qualified technician to repair.
- Additional protection to secure and fix the equipment is needed if the equipment is installed by stacking; by locking it to the rack, screwing it to the frame, or other similar methods.
- Keep the Cat 5e/6 cable as far away as possible from potential sources of EMI, such as electrical cables, transformers, and light fixtures. Do not tie the cables to electrical conduits or lay the cables on electrical fixtures.

## **Rack Mounting**

- Before working on the rack, make sure that the stabilizers are secured to the rack, extended to the floor, and that the full weight of the rack rests on the floor. Install front and side stabilizers on a single rack or front stabilizers for joined multiple racks before working on the rack.
- Always load the rack from the bottom up, and load the heaviest item in the rack first.
- Make sure that the rack is level and stable before extending a device from the rack.
- Use caution when pressing the device rail release latches and sliding a device into or out of a rack; the slide rails can pinch your fingers.
- After a device is inserted into the rack, carefully extend the rail into a locking position, and then slide the device into the rack.
- Do not overload the AC supply branch circuit that provides power to the rack. The total rack load should not exceed 80 percent of the branch circuit rating.
- Make sure that all equipment used on the rack – including power strips and other electrical connectors – is properly grounded.
- Ensure that proper airflow is provided to devices in the rack.
- Ensure that the operating ambient temperature of the rack environment does not exceed the maximum ambient temperature specified for the equipment by the manufacturer
- Do not step on or stand on any device when servicing other devices in a rack.

## **Technical Support**

### **International**

- For online technical support – including troubleshooting, documentation, and software updates:  
<http://eservice.aten.com>
- For telephone support, see Telephone Support on page iv



## North America

<b>Email Support</b>		<a href="mailto:support@aten-usa.com">support@aten-usa.com</a>
Online Technical Support	Troubleshooting Documentation Software Updates	<a href="http://eservice.aten.com">http://eservice.aten.com</a>
Telephone Support		1-888-999-ATEN ext 4988 1-949-428-1111

**When you contact us, please have the following information ready beforehand:**

- Product model number, serial number, and date of purchase.
- Your computer configuration, including operating system, revision level, expansion cards, and software.
- Any error messages displayed at the time the error occurred.
- The sequence of operations that led up to the error.
- Any other information you feel may be of help.

## Specifications

Function	<b>RCMA200SA</b>
<b>Connectors</b>	
Console Ports	1 x Custom 60-pin Connector (Black)
(VM Ports	1 x Custom 60-pin Connector (Black)
Dower	1 x DC Jack (Black)
RS -232	1 x DB-9 Male (Black)
<b>EDs</b>	
;Dwer	1 (Green)
<b>Dower Consumption</b>	DC5V:0.38W:2BTU
<b>Environmental</b>	
Operating Temperature	0 – 50 °C
Storage Temperature	-20 – 60 °C
Humidity	0 – 80% RH. Non-condensing
<b>Physical Properties</b>	
Housing	Metal
Weight	0.31 kg (0.62 lb)
Dimensions (L x W x H)	12.80 x 8.16 x 2.50 cm (5.04 x 3.21 x 0.98 in)

## Limited Warranty

ATEN warrants its hardware in the country of purchase against flaws in materials and workmanship for a Warranty Period of two [2] years (warranty period may vary in certain regions/countries) commencing on the date of original purchase. This warranty period includes the LCD panel of ATEN LCD KVM switches. Select products are arranged for an additional year (see A+ Warranty for further details). Cables and accessories are not covered by the Standard Warranty.

#### What is covered by the Limited Hardware Warranty

ATEN will provide a repair service, without charge, during the Warranty Period. If a product is defective, ATEN will, at its discretion, have the option to (1) repair said product with new or repaired components, or (2) replace the entire product with an identical product or with a similar product which fulfills the same function as the defective product. Replaced products assume the warranty of the original product for the remaining period or a period of 90 days, whichever is longer. When the products or components are replaced, the replacing articles shall become customer property and the replaced articles shall become the property of ATEN.

To learn more about our warranty policies, please visit our website:  
<http://www.aten.com/global/en/legal/policies/warranty-policy/>

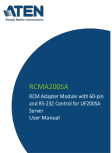


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## Documents / Resources

	<p><a href="#">ATEN RCMA200SA RCM Adapter Module with 60-pin and RS-232 Control for UF200SA Server [pdf] User Manual</a></p> <p>RCMA200SA RCM Adapter Module with 60-pin and RS-232 Control for UF200SA Server, RCM A200SA, RCM Adapter Module with 60-pin and RS-232 Control for UF200SA Server, Module with 60-pin and RS-232 Control for UF200SA Server, Control for UF200SA Server</p>
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## References

- [eService System](#)
- [USA Location information - USA.com](#)
- [ATEN - Simply Better Connections | ATEN U.S.A.](#)
- [ATEN - Simply Better Connections | ATEN Corporate Headquarters](#)
- [ATEN Product Warranty | ATEN Corporate Headquarters](#)
- [A+ Warranty | ATEN Corporate Headquarters](#)
- [LCD KVM Switches / Consoles | ATEN Corporate Headquarters](#)