

“Remote”, “Out of Band” Network Management via Console

RMC-MP200 RouteMagic Controller



The RouteMagic Controller (RMC) is an intelligent network management device connected to a device with a console port to implement the monitoring of network devices and secure remote out of band operation. An RMC-MP200 unit is equipped with two COM ports to connect up to two network devices, collecting console data necessary for network management to realize troubleshooting from a remote site.

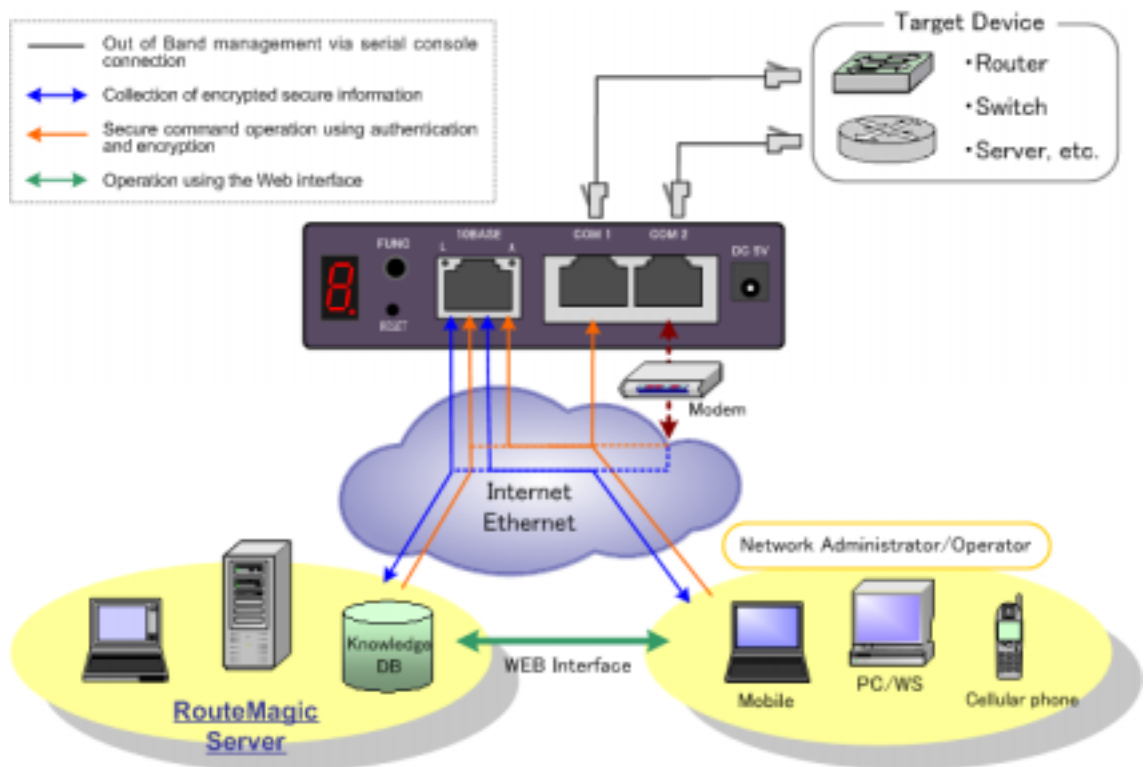
This device is best suited for managing network devices installed at local sites and offices without any network administrator.

RMC-MP200

Features

- The RMC continuously monitors the console ports of network devices to collect necessary messages (arbitrary filtering is possible) and send a notice of them by e-mail (up to eight addresses).
- The troubleshooting of network devices at remote sites can be performed by remote operation function using SSH/Telnet via the RMC.
- The operation of network devices can be monitored by setting an arbitrary script to automatically issue commands to the console connected to the RMC.
- The RMC powerfully supports efficient remote network management with the following functions by collaborating with the RMS (RouteMagic Server) : Various log management, configuration management, Incident management, problem solution assisting functions, and so on.

RouteMagic Controller Schematic Diagram



Connection Outline

Port	Name	Application	Outline
COM port	COM1, COM2	For connecting a device to be monitored or modem	Connected to the console port of the devices to be monitored (up to two ports). COM2 is also available for connecting a modem.
Ethernet port	10BASE	For notices	For notices from the RMC by e-mail.

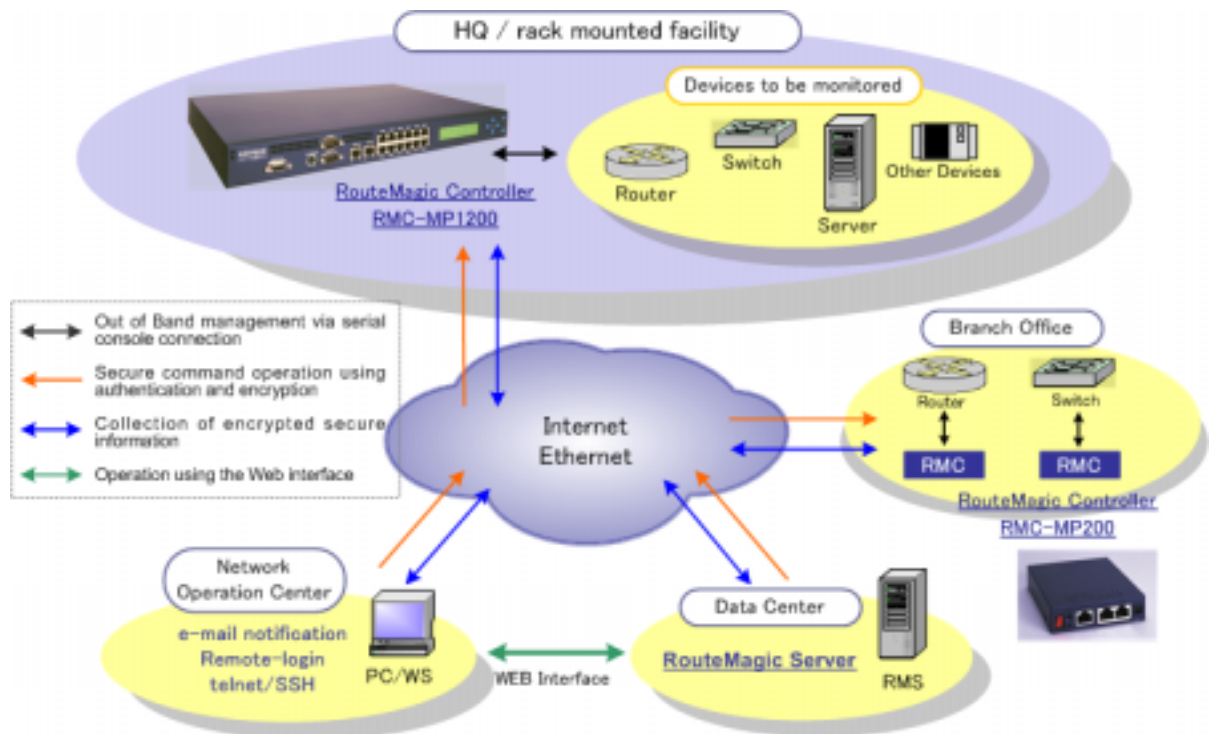
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Function and Operation

Function	Outline
Monitoring a console port continuously, monitoring console messages, monitoring availability of devices, notice function, collecting logs, and so on.	The console port is monitored continuously, and collected information can be sent to a client such as the RMS or PC by e-mail. In addition, each port is equipped with a function for message filtering or regular monitoring and operation with an arbitrary script to support flexible operation.
Remote console operation function, Console Access Server function	Any console port can be operated via the RMC from a remote site (TELNET/SSH). Multiple users and multiple accounts.
Modem support	E-mail can be sent via a modem so that an alternate route is secured even when Ethernet is not available
Security	E-mail is encrypted for notices, and the SSH protocol is installed for remote operation. PGP and specific encryption are supported for communication with the RMS. The RMC itself is protected by a password.
Collaboration with RouteMagic Server (RMS)	The remote network management function is provided through collaboration between the RMC and RMS. Functions such as log collection, problem solution support, remote command entry, and monitoring device availability are provided.
Remote management and operation of various devices	Various types of operations are available, for example, the management of routers, switches, servers, firewalls, and traffic monitoring devices, or remote operation of the power supply of any device in combination with a remote power supply operation device.
SNMP agent function	The RMC itself can be monitored by the SNMP manager software. A trap is sent when the RMC is started.

Collaboration with RouteMagic Server



Product Specifications

Item	Specification
Serial port	EIA-RS232D (RJ-45) x 2
Network port	IEEE802.3 10VASE-T (RJ45) x 1
Dimension (W x D x H)	85 x 110 x 23 (mm)
Software	RMC Software

The specifications, name, and so on of this product are subject to change without notice for reasons of improvement. The company and product names mentioned herein are trademarks or registered trademarks of the respective companies.

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