Model Nomenclature:

RPM 15 8 1 HV N

| Input Circuit Breaker (Amps) | Receptacle Quantity | (1)20/(2)08 VAC | Install Format | (N)EMA / (I)EC Receptacles |

Save Time & Cut Costs with RPM

The Minuteman RPM® (Remote Power Manager) family is the ultimate power nerve center for controlling multiple network devices and services. With a single Minuteman RPM, you can individually control AC power for up to sixteen connected devices such as servers, switches, routers, modems, and telephone systems.

RPM Features

Minuteman's newest additions to the RPM family of products offer many new features, along with the convenience afforded by the original lineup.

- Allows rebooting from any internet-enabled device via a secure connection
- Allows scheduling of tasks
- Offers password-protected security levels
- Configure and control RPM units worldwide through most standard web browsers using a single network IP address*
- Accommodates RPM technology with most network protocols
- Manage devices from anywhere in the world
- 10 foot power cord for versatile installations
- 15 & 20-amp capacities, 120 and 208VAC
- True RMS (Root Mean Square) load meter and LCD display
- 1U / 0U convertible, and 0U vertical-only models
- SNMP & DNS Support

* Do not Support SSL/TLS security Protocols: RPM1581HVN, RPM2016VN, RPM2082HVI, RPM 20162VI

Like Being Everywhere, All the Time

The Minuteman RPM is the ideal solution for network administrators who manage one or more remote locations. Once connected to the network, you can easily control the RPM from virtually anywhere using a standard web browser and your password. With a simple click, power up, down, or reboot any of up to 16 devices connected to the RPM. Automatic reboots of locked devices are also possible via ping actions *(see pgs. 2 & 3 for more details)*.

Access from your smarphone! See pgs. 2 & 3 for details
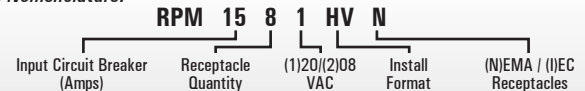
Control from Anywhere

Minuteman RPMs offer a direct connection to network devices which are accessible from any device with a standard internet browser, including desktop and laptop PCs, smartphones, and tablets. From these devices, users can control and configure all aspects of the device, including:

- **LAN Connection:** The RPM is an IP-based PDU that connects to your network via CAT5 cable
- **Control Individual Outlets:** Power on/off, reboot, and monitor up to 16 individual devices from a single IP address
- **Scheduled Management Actions:** save power with automatic shutdown and startup of devices over weekends or holidays
- **Notifications via SNMP or Email:** To keep you informed of events such as a server shutdown, the RPM can submit its notifications via network broadcast, email, or SNMP trap
- **Monitor Current Draw:** View combined current draw on the RPM in real time, and configure warning and overload thresholds

RPM20161VN

RPM20162VI

RPM1581HVN

Monitoring & Management Overview

Minuteman RPM products include an easy-to-use IP-based web interface for controlling and monitoring connected devices.

Administrators can access this utility via the LAN, or from beyond, via a connection to the native web Server within the unit. Full monitoring, control, and configuration is possible from any device with an internet browser, enabling control from literally anywhere in the world.

Take a tour of the interface on these two pages, and visit **http://www.minutemanups.com/rpm** to learn more.

RPM Benefits

Utilizing Minuteman's remote power manager products allows technicians and administrators to:

- **Save Time:** Reboot remote devices in seconds, not minutes or hours
- **Increase Productivity:** Eliminate help desk calls & lost time when a device locks up: RPM notifies & provides automatic reboot capabilities
- **Cut Costs:** Eliminate service calls to remote locations by managing devices from your computer or smart-phone

Monitor RPM Information in Real Time

The Information tabs provide **real time status** of the RPM, including real time combined current draw *(fig. 1)*, user configurable warning and overload thresholds. **Network information**, including MAC address and RPM name settings, are also displayed on the System tab *(fig. 2)*, allowing quick reference for identification when multiple RPMs are in use.
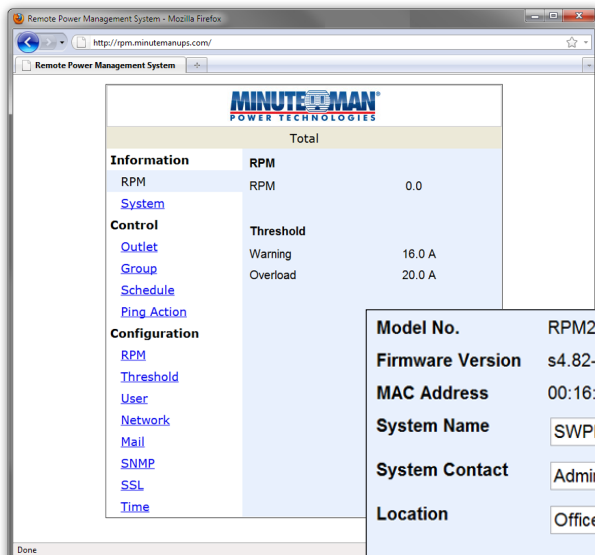

fig. 1: Main Interface

fig. 2: System tab

Access the RPM control interface from anywhere with the easy-to-use web-based control panel.

- **PCs/Laptops**
- **Smartphones** *(all brands)*
- **Tablets** *(all brands)*

Control Connected Devices

Within the four control tabs, users can control individual outlets via **On/Off/Reboot** *(OFF/ON)* commands *(fig. 4)*. Users can also **group outlets** to allow multiple devices which work together to be controlled simultaneously.

fig. 4: Outlet tab

The user can also **schedule power on, off, or reboots** at specific times/dates (one time or recurring) for indivduals or groups of receptacles *(fig. 5)*. With this feature, administrators can save power by scheduling network downtime on weekends and holidays.

fig. 5: Schedule tab

fig. 6: Ping Action tab

The **Ping Action** tab *(fig. 6)* enables the RPM to "ping" a device connected to a specific receptacle. If unanswered, the device can be rebooted to unlock it, preventing downtime.

Configuring the RPM

A wide array of settings are accessible in the configuration tabs, allowing users to adapt individual or groups of outlets to the needs of individual devices. These changes may be made on the fly, providing unparalleled versatility and adaptability.

Users can assign a descriptive name to each receptacle to prevent confusion, and set a **startup and power-down delay sequencing** when necessary *(fig. 7)*. Users can also set up to three email addresses *(fig. 8)* to receive notification messages when any event takes place, including warning and overload thresholds, power events, and lockups.

Additional configuration parameters include:

Email Setting

Email Server	smxtp.minutemanups.com
Sender's Email	rpm@minutemanups.com

Recipient's Email Address

Email Address1	rpm@minutemanups.com
	Apply
Email Address2	
	Apply
Email Address3	
	Apply

fig. 8: Mail tab

Threshold Tab
Configure warning and overload levels for amperage load on the RPM unit; notifications sent via email or SNMP trap

Name	Threshold (Amp)	
	Warning	Overload
RPM	16	20
	Apply	

Network Tab
Settings for IP-address selection; DHCP enabled by default, static IP can be defined if desired

IP Address

Host Name	RPM
IP Address	192.168.168.231
Subnet Mask	255.255.255.0
Gateway	192.168.168.1
	☐ Enable DHCP

DNS Server IP

Primary DNS IP	4.2.2.1
Secondary DNS IP	4.2.2.2
	Apply

SNMP Tab
Configure the RPM to send Simple Network Management Protocol traps to notify when an event occurs

Trap Notification

Receiver IP	192.168.0.1
	Apply

Community

Read	public
Write	public
	Apply

Name	ON Delay(sec)	OFF Delay(sec)
OutletA	1	1
OutletB	2	2
OutletC	3	3
OutletD	4	4
OutletE	5	5
OutletF	6	6
OutletG	7	7
OutletH	8	8
Apply	Apply	Apply

fig. 7: RPM tab

Internet Time Setting

Time Between Updates	NO
Primary Time Server	pool.ntp.org
Secondary Time Server	asia.pool.ntp.org
Time Zone	GMT+8:00
	Apply

System Time 2012/01/01 00:26:35

|	
System Time (yyyy/mm/dd hh:mm:ss)	2012/01/01 00:26:30
	Apply

Time Tab
Users can set RPM system time manually, or to update automatically via a defined network time server

RPM2082HVI

Enterprise RPM Management Utility Included

Minuteman RPMs include a free software utility that offers a consolidated location to monitor the status and review configuration information for all RPM devices across a network. Features include:
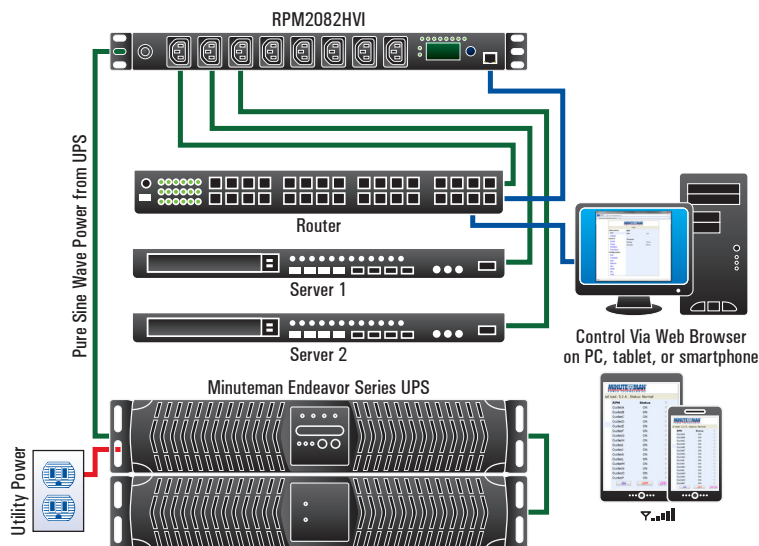
- **Function Menu:** Provides device information as well as data/event logging results for individual RPM units

- **RPM List:** Network tree showing all individual or group RPM on the LAN

- **RPM Information:** An itemized list of status and device information for all RPM units on LAN
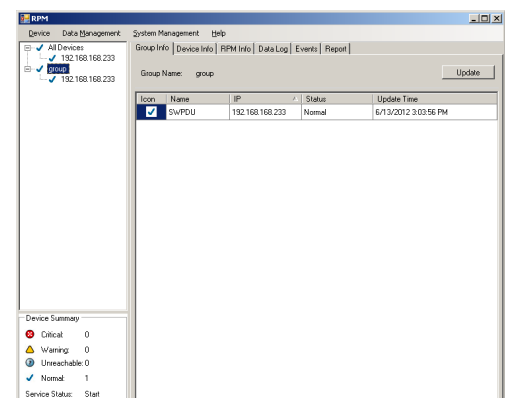
Minuteman® RPM Series Remote Power Manager Specifications

Model	RPM1581HVN	RPM20161VN	RPM2082HVI	RPM20162VI
Installation Format	1U / 0U	0U	1U / 0U	0U
Dimensions	1.73" x 3.54" x 17.01"	2.2" x 1.73" x 49.02"	1.73" x 3.54" x 17.01"	2.2" x 1.73" x 49.02"
Operating Temperature Range	0° - 50°C			
Operating Humidity Range	0 - 90%			
Input Power Cord (Type)	IEC320 C19 to 5-15P	IEC320 C19 to 5-20P	IEC320 C19 to 6-20P	
Power Cord Length	10 feet			
Receptacle Quantity	8	16	8	16
Receptacle Type	5-15/20R	5-15/20R	IEC320 C13	(14) IEC320 C13 / (2) IEC320 C19
Input Circuit Breaker	15A	20A	20A	20A
Maximum Capacity	12A	16A	16A	16A
True RMS Meter or Digital	True RMS			
LCD Display	Yes			
Individual Outlet Monitoring / Control	Yes			
Grouped Outlet Monitoring / Control	Yes			
Power On/Off Sequencing	Yes			
Scheduled On/Off/Cycling	Yes			
Remote Power/Status Monitoring	Yes			
Temp/Humidity Monitoring Option	No			
Ping Response Capability	Yes			
Event Alert Types	Email / Trap / Audible			
Environmental Monitoring Response	No			
Multiple Level Account Setup	No			
Configurable Alarm Thresholds	1 (Set for entire RPM)			
RADIUS Login Support	No			
SYSLOG Support	Yes (w/SW Utility)			
Inactive User Logoff	No			
DNS Support	Yes			
Batch Firmware Upgrades (Over LAN)	No			
Safety Certification	UL60950-1			
RoHS Compliant	Yes			

RPM Series Sample Installation

RPM2082HVI

Pure Sine Wave Power from UPS

Utility Power

Router

Server 1

Server 2

Minuteman Endeavor Series UPS

Control Via Web Browser on PC, tablet, or smartphone

RPM Series Components

1. Circuit Breaker
2. AC Outlets
3. Outlet Power Status Indicators
4. DHCP Status Indicators
5. True RMS Load Status Meter
6. Function Switch
7. CAT5 Ethernet Connection
8. IEC320 Input Power Receptacle

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