

RPM Utility Software

User's Manual

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1. Introduction

General

RPM Utility program is an RPM monitoring, and management software. It has been designed to provide information about the power conditions and the status of RPM and the power environment.

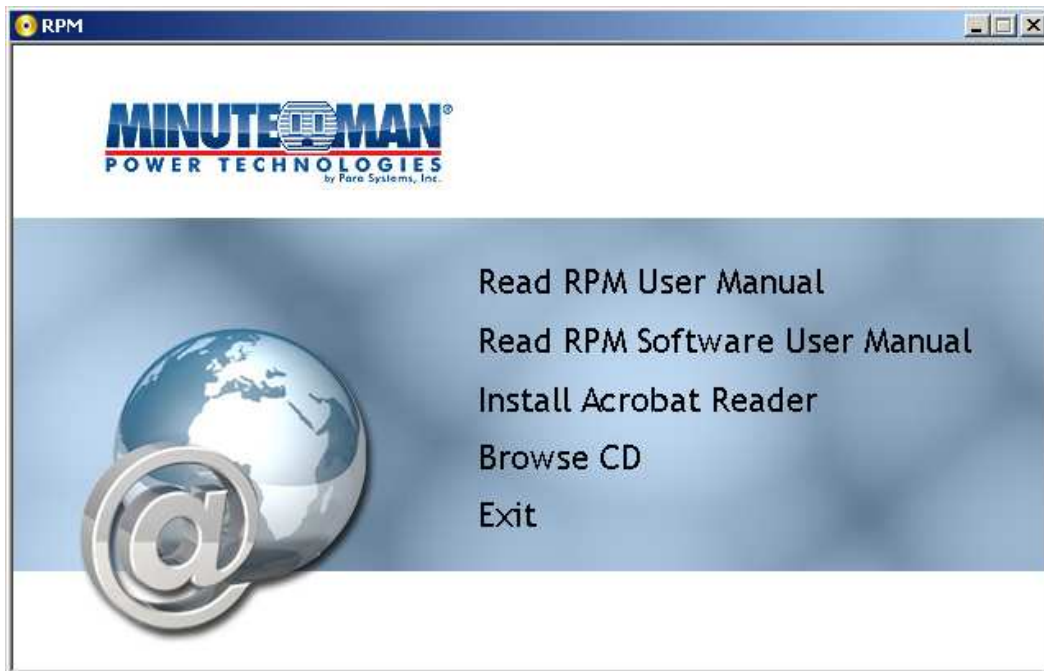
Its functions include:

1. Monitor a large amount of RPMs simultaneously.
2. Group Management of a large amount of RPMs.
3. Send emails and traps to the specified accounts when a power event occurs.
4. Events can be logged and exported to a Syslog server.

2. Installation

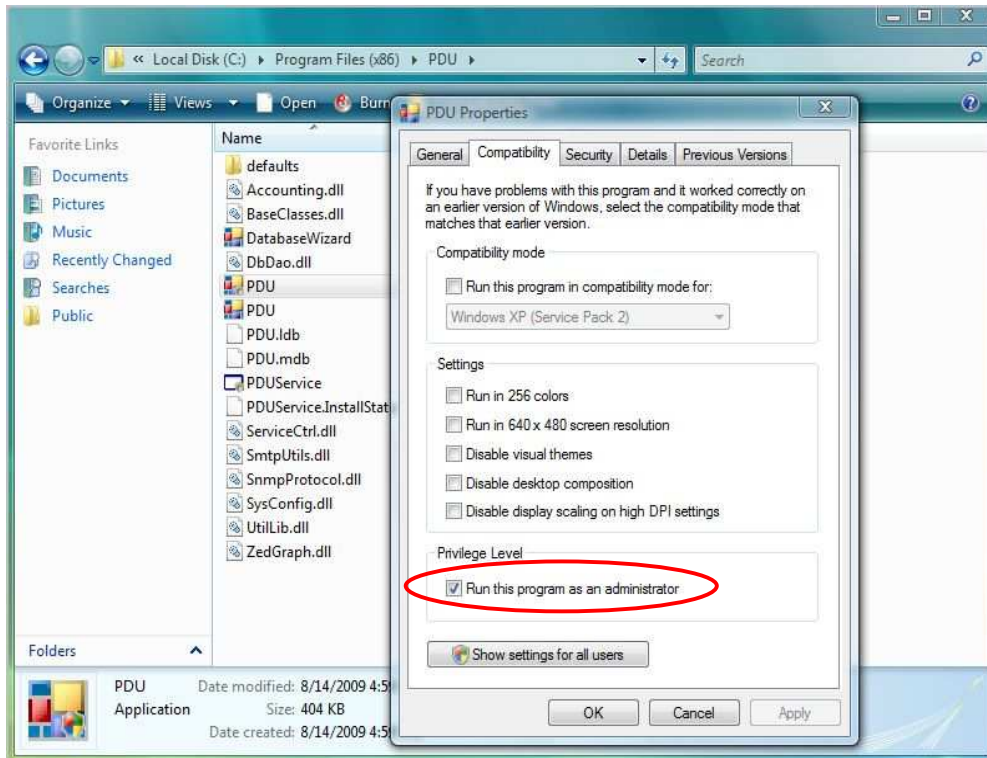
Install procedure:

The CD's auto play screen. Easy to follow step by step instructions.



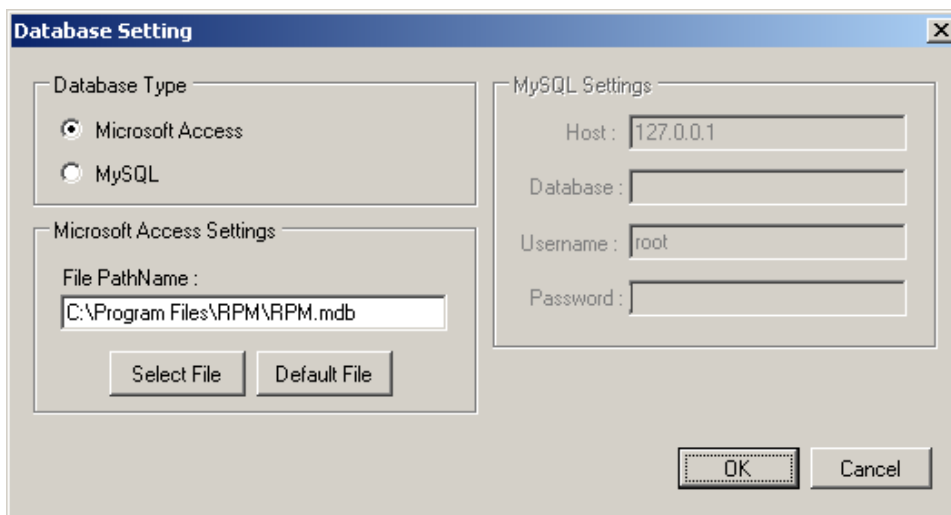
Note:

1. It will take several minutes if your operating system does not have Microsoft .NET Framework installed.
2. It is recommend that the RPM Utility program be installed at the server level of Windows operating system.
3. If the RPM Utility program is installed in Windows Vista and/or Win 7, you must first go to the folder of RPM and select the Properties of "RPM.exe", to check the "Run this program as an administrator". Then the utility will operate properly.



First time using the RPM software, you must select which kind of database that you want to use to record the RPM information.

- The default database is Microsoft Access.
- If you want to use MySQL database, you may need to download it from <http://www.mysql.org>



3. RPM Utility Interface

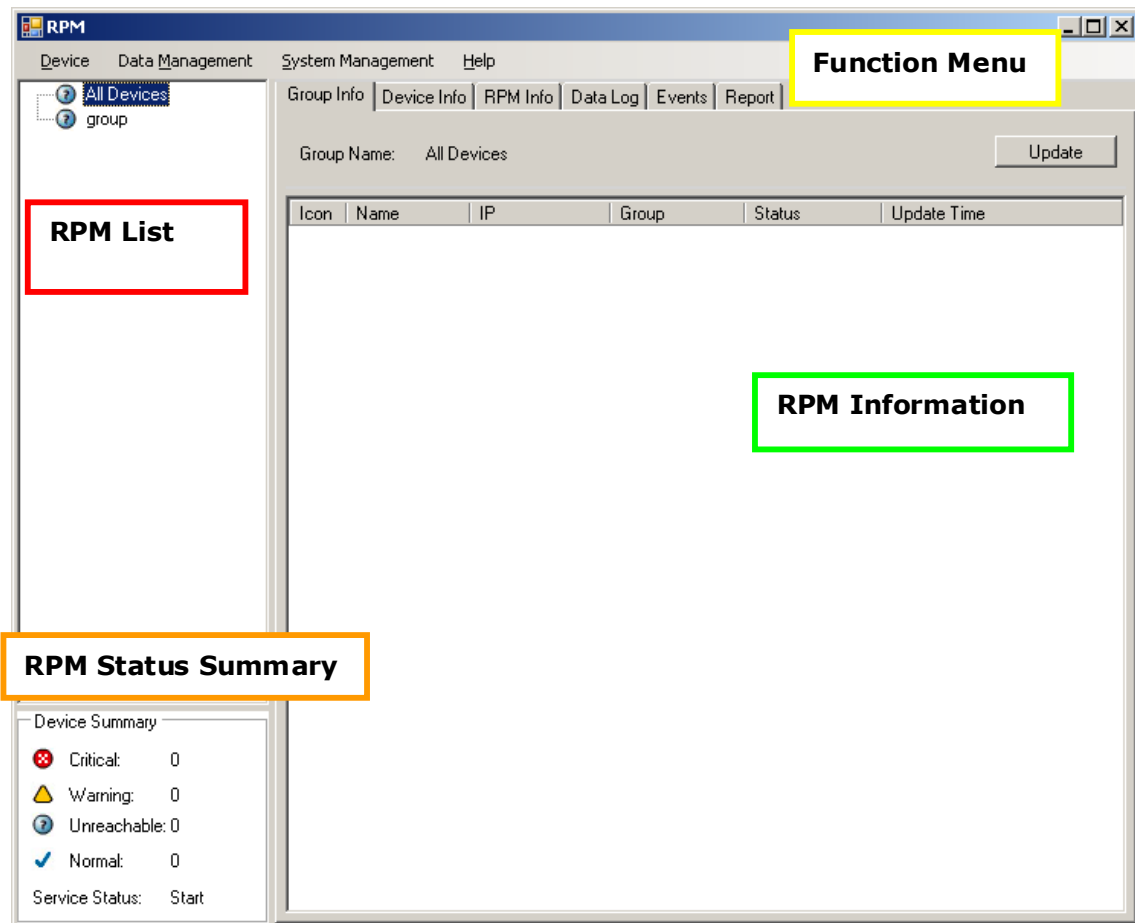
Start

The Login Screen.

The default User Name is admin.
The default Password is 1234.



The RPM Utility program's main menu



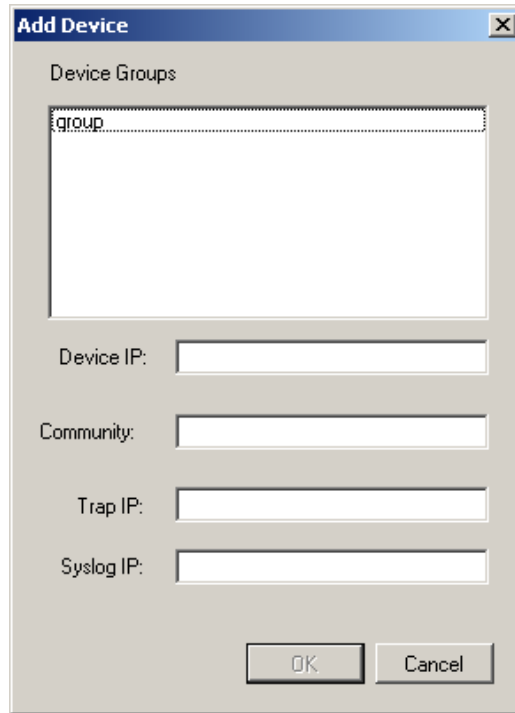
- 1. Function Menu:**
RPM Utility function menu.
- 2. RPM List:**
List all the RPMs in the network; user can define the group to easily manage a large amount of RPMs.
- 3. RPM Information:**
This area provides all the detailed information about the RPM.
- 4. Device Summary:**
Indicates the status of the RPM in the network.

Device Menu

Device

Add Device

The administrator can manually add the RPM, if the IP address of RPM has already been setup.



Device Group: Set the RPM to a specific group
SNMP Community: Set the community, it must be the same as the RPM in order to communicate with it. **Default setting is "private"**

Note1: This community is to "WRITE".

Note2: The "READ" community is set to "public", and it cannot be changed.

Trap forward IP: When an event occurs, it will forward the trap to the specified NMS.

Syslog server IP: Forward the log to the specified Syslog server.

Edit Device

The administrator can reconfigure the RPM information.

The 'Device Edit' dialog box contains the following fields and controls:

- Hostname: SWPDU
- Local Settings:
 - Device Groups: A list box containing 'group'.
 - Community: public
 - Trap Forward IP: [Empty text box]
 - Syslog Server IP: [Empty text box]
- SNMP Settings:
 - Name: SWPDU
 - Location: Office
 - Contact: Admin
- Network Settings:
 - IP Address: 192.168.168.231
- Buttons: Modify, OK, Cancel

- Device Group: Change the group that the RPM belongs to.
- SNMP Community: Set the community, it must be the same as the RPM.
Note: The community is set to "WRITE".
- Trap forward IP: Change the trap receiver IP address.
- Syslog server IP: Change the Syslog server IP address.
- SNMP Settings: Modify the SNMP information for the RPM.
- Network Settings: Reconfigure the IP address of RPM.

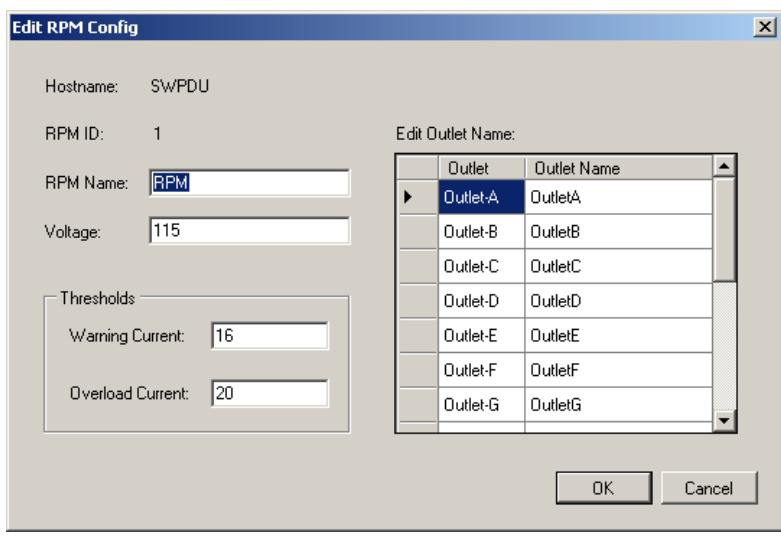
The administrator can change the way that RPM Utility gets the IP.

The 'Modify IP' dialog box contains the following fields and controls:

- Dynamic (DHCP):
- Static:
- IP Settings:
 - Original IP: 192.168.168.231
 - New IP: 192.168.168.232
 - Netmask: 255.255.255.0
 - Gateway: 192.168.168.152
- Buttons: OK, Cancel

Remove Selected Device	Delete the selected IP address of RPM
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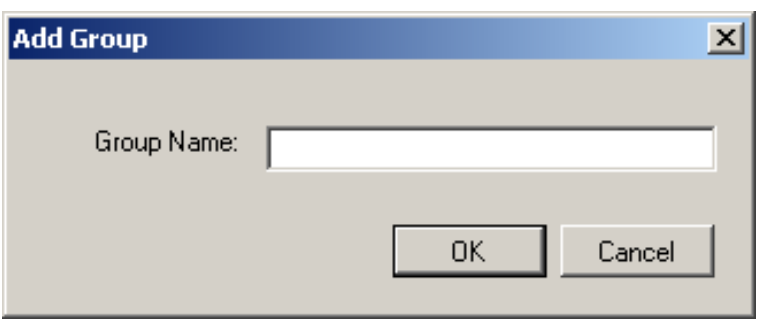
Edit RPM Config	Modify the RPM configuration.
RPM Name:	User defines the RPM name.
Voltage:	User defines the voltage.
Threshold:	User defines the RPM Threshold.
Outlet Name:	User defines the outlet name.



Remove Selected RPM	Delete the selected RPM
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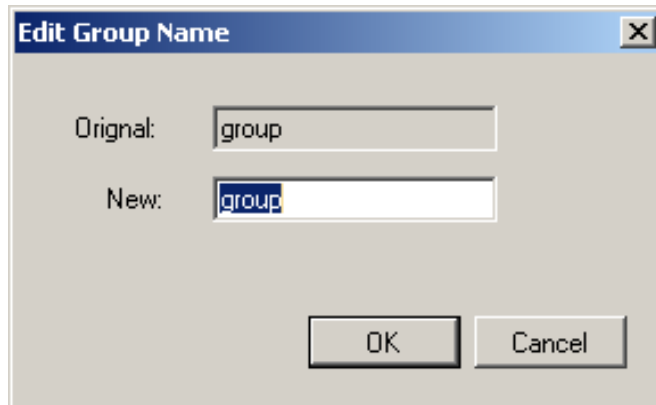
Update Device Information	Update the RPM information manually.
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Add Device Group	Create a new group.
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Edit Group

Rename the group



Remove Device Group

Delete an existing group. All of the RPMs listed under this group must be removed first.

Data Management Menu

Export kW*hr Account to CSV

Export the power data in CSV format.

Export Data Log to CSV

Export the current data log in CSV format.

Export Events to CSV

Export the event data in CSV format.

Remove kW*hr Account Records

Delete the power consumption data.

Remove Data Log Records

Delete the current data log.

Remove Event Records

Delete the event log.

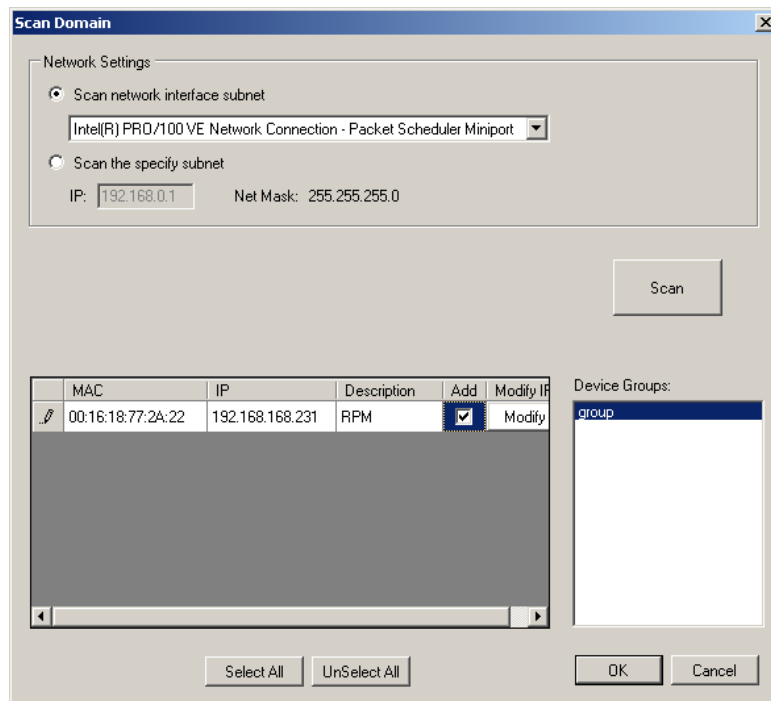
System Management Menu

Scan Subnet

Search for all of the IP addresses of the RPMs that are in the same subnet.

Procedure:

1. Select which way to search for the RPM in the network.
 - Scan the network interface subnet
 - Scan the specified subnet
2. Press the “Scan” Button to search for all of the RPM devices in this subnet.
3. Check the “ADD” box for the device that you want to add to RPM Utility.
4. Select one of the groups in the “Device Group” to group the RPMs.
5. Select “OK” to finish the procedure.



General Setting

This setting contains three functions.

The screenshot shows a 'General Settings' dialog box with the following fields and options:

- Mail:**
 - Enable
 - Sender: []
 - Email Address(1): []
 - Email Address(2): []
 - Email Address(3): []
 - SMTP server: []
 - Authentication (optional):
 - Account: []
 - Password: []
- Rate:**
 - 1 kWh = \$?
 - Unit Price: [1]
- Period:**
 - Data Log: [1] minute(s)

Buttons: OK, Cancel

Mail:

When an event occurs, RPM Utility can send out the email message to the pre-defined account.

Rate:

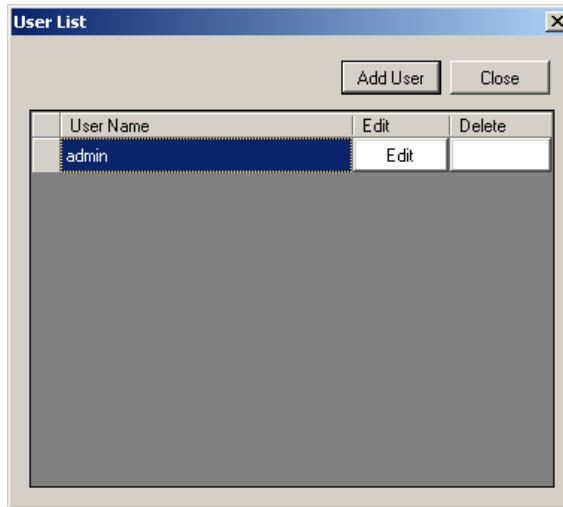
User can input the electricity rate to calculate the electric bill for reference.

Period:

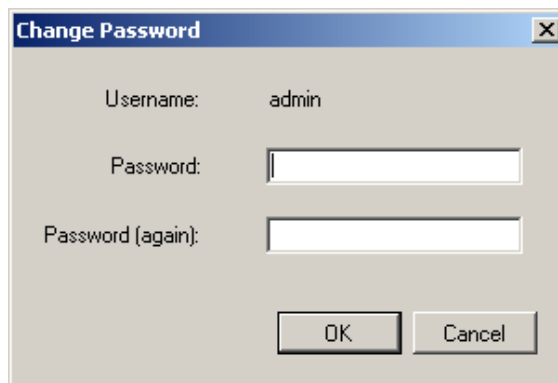
Change the logging time interval of the data Log.

User List

The administrator can add, delete and manage all of the user's privileges here.

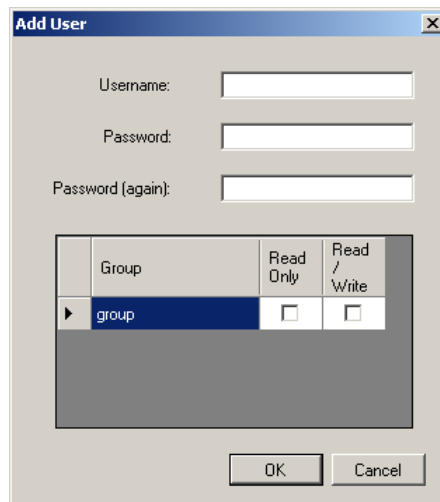


Clicking on the Edit tab the user can change the password, but only for the "Admin" account.



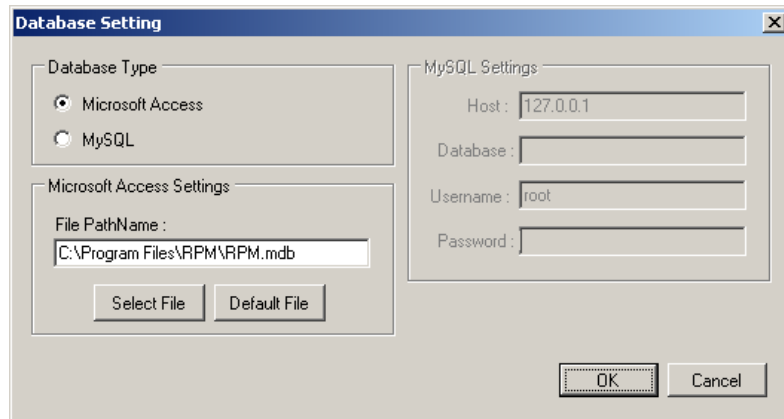
Add user

User can be assigned to Read only or Read/Write.



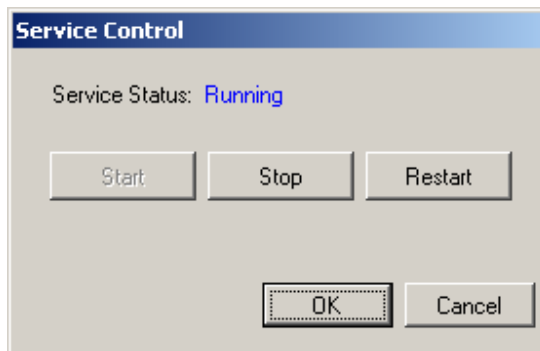
Database Setting

Select which database to use.



Service Control

Service control.



Note:





If the service cannot start, it could be the SNMP port is being used by another program. Please close the program and then restart the service and Utility program.

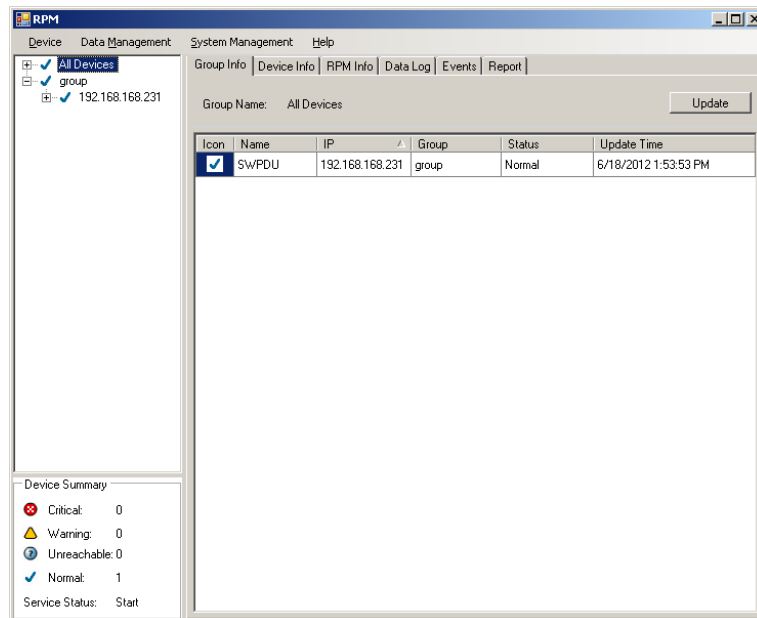
RPM Information

Group Information:

This table provides a list all of the RPMs and important information.

Device Summary

-  **Critical:** Indicates that the output power of the RPM has exceeded the overload threshold.
 -  **Warning:** Indicates that the output power of the RPM has exceeded the warning threshold.
 -  **Unreachable:** Indicates that the RPM Utility program cannot reach the RPM.
 -  **Normal:** Indicates that the RPM is working normally.
- Service Status** When it indicates “Stopped”, please go to System Management> Service Control to “Start” the service.



- Icon:** Indicates the RPM status by different icon.
- Name:** The name of RPM.
- IP:** The IP address of RPM
- Status:** Indicates the communication status with RPM Utility.
 - Normal: The RPM Utility is communicating with the RPM.
 - Querying: The RPM Utility is requesting data from the RPM.
 - Communication Lost: The RPM Utility cannot communicate with the RPM.
 - Warning: The power consumption of RPM exceeds the warning threshold.
 - Overload: The power consumption of RPM exceeds the overload threshold.
- Update Time:** The last time the RPM information was updated.

Device Information:

Network Information:

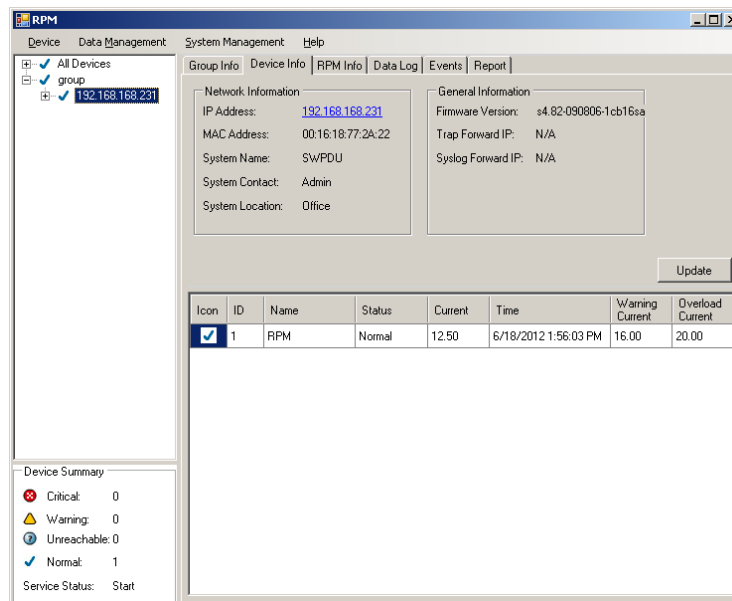
Indicates the network and system information:

- IP Address
- MAC Address
- System Name
- System Contact
- System Location

General Information:

Indicates the information about the RPM:

- Firmware Version
- Trap Forward IP: Utility can forward the trap to the given IP.
- Syslog Forward IP: Utility can send the log to the given IP.



The connected RPM's information includes:

- Icon: Indicates the RPM status by different icon.
- ID: The identification of RPM.
- Name: The name of RPM
- Status: Indicates the communication status with RPM Utility.
- Normal: The RPM Utility is communicating with the RPM.
 - Querying: The RPM Utility is requesting data from the RPM.
 - Communication Lost: The RPM Utility cannot communicate with the RPM.
 - Warning: The power consumption of RPM exceeds the warning threshold.
 - Overload: The power consumption of RPM exceeds the overload threshold.
- Current: The RPM power consumption.
- Time: The current time.
- Warning Current: Displays the setting of the warning threshold.
- Overload Current: Displays the setting of the overload threshold.

RPM Information:

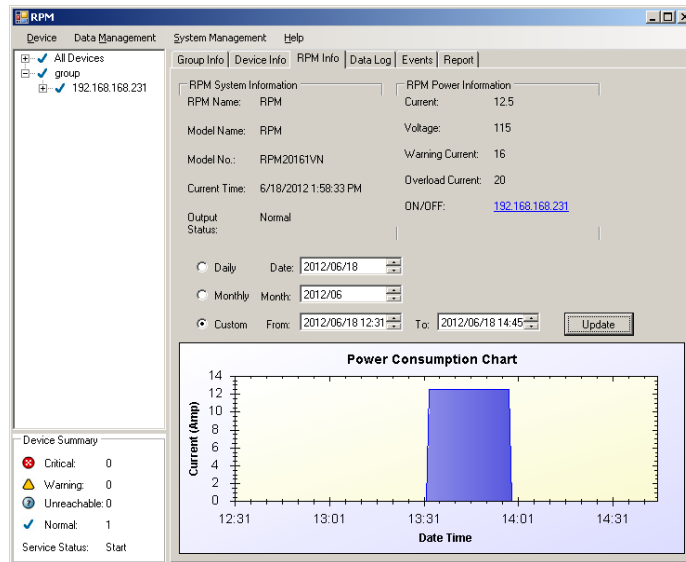
RPM System Information:

Provides the information and the status of the RPM.

RPM Power Information:

Provides the RPM power information.

Clicking on the hyperlink will open the RPM's web page.



History Consumption Chart:

Provides the chart for the RPM's power consumption. The administrator can check the record by Daily, Monthly, or Custom-defined time periods.

Data Log:

Provides a list of the RPM's power data.

The screenshot shows the 'RPM Data Log' window. It displays the following data:

- Hostname: 192.168.168.231
- Log Type: Current, Power (kW/hr)
- Log Time: Monthly (Month: 2012/06), Custom (From: 2012/06/18, To: 2012/06/18)
- Records per page: 30
- Statistics: Average Current: 12.50 Amp

Date	RPM	Current
2012/06/18 13:59	1	12.50
2012/06/18 13:58	1	12.50
2012/06/18 13:57	1	12.50
2012/06/18 13:56	1	12.50
2012/06/18 13:55	1	12.50
2012/06/18 13:54	1	12.50
2012/06/18 13:53	1	12.50
2012/06/18 13:52	1	12.50
2012/06/18 13:51	1	12.50

At the bottom left, a 'Device Summary' shows: Critical: 0, Warning: 0, Unreachable: 0, Normal: 1, and Service Status: Start.

Events:

Provides a list of the logged events.

The screenshot shows the RPM application window with the 'Events' tab selected. The window displays the following information:

- Hostname: 192.168.168.231
- Monthly: 2012/06
- Custom: From: 2012/06/18 To: 2012/06/18
- Events Summary: Critical: 0, Warning: 0, Unreachable: 2
- Device Summary: Critical: 0, Warning: 0, Unreachable: 1, Normal: 0
- Service Status: Start

Hostname	IP	Date	RPM	Event	Current
SwPDU	192.168.168.231	6/18/2012 1:33:01 PM		RPMSERVICE - Normal	12.5
SwPDU	192.168.168.231	6/27/2012 11:07:49 ...		RPMSERVICE - connection lost	0
SwPDU	192.168.168.231	6/27/2012 11:07:49 ...	1	RPMSERVICE - connection lost (...)	0

Report:

Provides the data analysis.

The screenshot shows the RPM application window with the 'Report' tab selected. The window displays the following information:

- Group Name: group
- Monthly: 2012/06
- Custom: From: 2012/06/18 To: 2012/06/18
- Report Type: Highest Average Current (selected), Lowest Average Current
- Max Report Count: 3
- Device Summary: Critical: 0, Warning: 0, Unreachable: 0, Normal: 1
- Service Status: Start

The 'Statistic Report Chart' shows a bar chart with the following data:

Device	Average Current (Amp)
192.168.168.231	12.5

4. Technical Assistance

For Technical Support on the Web, please visit the Support section of our Web site or visit our online Discussion Forum.

In order to diagnose the problem you are having, our technicians need the following information from you.

Installation Site:

Company Name: _____

Address: _____

City: _____ State: _____ ZIP code: _____

Contact Person's Name: _____

Phone Number: _____

If you are a consultant,

Consultant Name: _____

Phone Number: _____ Fax Number: _____

Computer System:

Operating System and version: _____

System Manufacturer: _____

System Model Number: _____

NMS name and revision number: _____

RPM:

Model Name/Number: _____

Serial Number: _____

What are the symptoms?

Please have the information listed above ready when you contact us.

Contact Technical Support By:

Phone: 1-800-238-7272 / 1-972-446-7363

Fax: 1-972-446-9011

Web: www.minutemanups.com/support/index.php (Technical Support)

www.minutemanups.com/phpBB2/index.php (Discussion Board)

www.minutemanups.com (Home Page)