Network Management Card 2 for 400 and 500 kVA PMM

Supported Products: PMM400-ALA, PMM400-ALAX, PMM400-CUB, PMM500-ALA, PMM500-ALAX, PMM500-CUB

What's in This Document

Schneider Electric Network Management Device IP Configuration Wizard

The Network Management Device IP Configuration Wizard is a Windows application designed specifically to remotely configure the basic TCP/IP settings of Network Management Cards. The Wizard runs on Windows® 2000, Windows 2003, Windows Vista, Windows XP, Windows 7, Windows Server 2008, Windows Server 2016, Windows 8, Windows 10 and Windows 2012. This utility supports cards that have firmware version 3.X.X or higher and is for IPv4 only.

Note: In firmware version AOSv6.8.2 and higher:

The Network Management Device IP Configuration Wizard only supports the discovery of unassigned devices.

You cannot search for assigned devices already on the network using an IP range unless you enable SNMPv1 and set the Community Name to "public". For more information on SNMPv1, see the User Guide.

When the NMC IP address settings are configured, to access the NMC Web UI in a browser, you must update the URL from http to http**s**.

The Wizard is available as a free download from the APC website at www.apc.com:

1. Go to www.apc.com/shop/tools/software-firmware and select **Wizards and Configurators** from the **Filter by Software/Firmware** drop-down list.
2. Click on the **Download** button to download the **Network Management Device IP Configuration Wizard**.

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Affected Revision Levels

File	Detail
apc_hw06_aos_696.bin	Network Management Card Operating System & TCP/IP Stack for Hardware Platform v06
apc_hw06_pmm_696.bin	Power Management Module (PMM) Application
powernet436.mib	PowerNet® SNMP Management Information Base (MIB)

For details on upgrading the network management card firmware, see the user's guide on the SE website (www.se.com).

OS & TCP/IP Stack Modifications (apc_hw06_aos_696.bin)

Compatibility

apc_hw06_pmm_696.bin	Power Management Module (PMM) Application
powernet436.mib	PowerNet(R) SNMP Management Information Base (MIB)

Security Notifications/Disclosure

Treck Ripple20 Vulnerability Fixes:

- This release includes remediations for Ripple20 vulnerabilities: CVE-2020-11896, CVE-2020-11898, CVE-2020-11899, CVE-2020-11901, CVE-2020-11902, CVE-2020-11904, CVE-2020-11905, CVE-2020-11906, CVE-2020-11907, CVE-2020-11909, CVE-2020-11910, CVE-2020-11911, CVE-2020-11912, CVE-2020-11913, CVE-2020-11914.

Schneider Electric/APC Bulletin:
https://www.se.com/ww/en/download/document/SEVD-2020-174-01/

Other security vulnerabilities addressed:

- This release includes remediations in the network stack for multiple Improper Input Validation vulnerabilities.

Known Issues in This Version

1. SNMPv3 communication and monitoring on some third-party SNMP management tools such as ManageEngine OpManager does not work properly.
2. Modifying large groups of event actions by severity may cause an unexpected network interface restart.
3. Device and Read-only users were getting disable after upgrade from 5.x.x to 6.x.x f/w. This is due to the fact that the 5.x.x user database is completely different from the 6.x.x user database.
4. It is no longer possible to launch to a device through StruxureWare Data Center Expert if the device contains the 6.9.4 release of the AOS. This issue will be addressed in the upcoming release of Data Center Expert (7.8.1).

New Features and Enhancements

None. This release was to address security vulnerabilities only.

Bugs Fixed in This Version

Treck Vulnerabilities (Ripple20) - April 2020.

Power Management Module (PMM) Application (apc_hw06_pmm_696.bin)

Compatibility

apc_hw06_aos_696.bin	Network management card OS & TCP/IP Stack
powernet436.mib	PowerNet(R) SNMP Management Information Base (MIB)

See OS & TCP/IP Stack Modifications (apc_hw06_aos_696.bin), page 2 for a list of modifications and enhancements that affect this application version.

Known Issues in This Version

None.

New Features and Enhancements

No new application features for the Power Management Module (PMM) application in this release.

Bugs Fixed in This Version

The Apparent Power value on the system is now calculated correctly, and there is no longer a need to multiply the display value by 1.73 to get the correct reading.

Miscellaneous

Recovering From a Lost Password

See the User's Guide on the SE website (www.se.com) for instructions on how to recover from a lost password.

Event Support List

For event names and event codes for all the events supported by a currently connected APC device, retrieve the Config.ini file from a configured Network Management Card.

To use FTP to retrieve the Config.ini file from a configured Network Management Card:

1. Open a connection to the Network Management Card, using its IP Address:
   ftp> open <ip_address>
2. Log on using the Administrator user name and password.
3. Retrieve the Config.ini file containing the settings of the Network Management Card of the UPS.
   ftp> get config.ini.

   The file is written to the folder from which you launched the FTP.

In the Config.ini file, find the section heading [EventActionConfig]. In the list of events under that section heading, substitute 0x for the initial E in the code for any event to obtain the hexadecimal event code shown in the user interface and in the documentation.

For example, the hexadecimal code for the code E0033 in the Config.ini file (for the event "System: Configuration change") is 0x0033.

Powernet MIB Reference Guide

NOTE: The MIB Reference Guide, available on the SE website (www.se.com), explains the structure of the MIB, types of OIDs, and the procedure for defining trap receivers. For information on specific OIDs, use a MIB browser to view their definitions and available values directly from the MIB itself. You can view the definitions of traps at the end of the MIB itself (the file powernet436.mib is available for download from the SE website, www.se.com).

HASH Signatures

The following are hash signatures for the upgrade utility web download:

MD5 Hash: 737f7507c1d5d6416c7441e76ca5a855

SHA-1 Hash: 8fcf3bfd4b32e762e195af1842bba5855f1c289c

SHA-256 Hash:
0e23c5a5bb1b21b8b82189b3babc83f32658aff0e9ec2024f0788aec92d98eaf