

Network Management Card 2 (NMC 2) Firmware v7.1.2 for 400 and 500 kVA PMM Release Notes

Table of Contents

Affected Revision Levels	1
Schneider Electric Network Management Device IP Configuration Wizard	2
New Features	2
Fixed Issues	3
Known Issues	3
Miscellaneous	4
Hash Signatures	4

The 400 and 500 kVA PMM application firmware v7.1.2 release notes apply to the following products:

- PMM400-ALA, PMM400-ALAX, PMM400-CUB, PMM500- ALA, PMM500-ALAX, PMM500-CUB

Affected Revision Levels

Component	File	Details
APC Operating System	apc_hw06_aos_712.bin	Network Management Card Operating System & TCP/IP Stack
400 and 500 kVA PMM	apc_hw06_pmm_712.bin	Application for 400 and 500 kVA PMM

For details on upgrading the UPS firmware, see the [User Guide](#).

Schneider Electric Network Management Device IP Configuration Wizard

The 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® Server 2012, Windows Server 2016, Windows Server 2019, Windows 8.1, and Windows 10. This utility is for IPv4 only.

NOTES:

- In firmware version v1.4.x and higher, it is not supported to assign IP addresses to Network Management Cards using the Wizard.
- 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 https.

The Wizard is available as a free download from the [APC website](#):

1. Go to [Software & Firmware](#) and click **Show More** from the list of checkboxes in **Filter by > Software / Firmware**.
2. Select **Wizards and Configurators** to view the list of utilities available for download.
3. Click the **Download** button to download the **Device IP Configuration Wizard**.

New Features

New Feature
Application for 400 and 500 kVA PMM has been updated with the latest aos version 7.1.2.

Fixed Issues

Fixed Issue
<p style="text-align: center;">Security Vulnerabilities</p> <ul style="list-style-type: none">• CWE-16: Configuration – The vulnerabilities in this category during the configuration of the software are now resolved.• Cipher Block Chaining (CBC) – Support has been removed as it does not meet modern cryptographic needs, and contains cybersecurity vulnerabilities.• CWE-834: Excessive Iteration – The software performs an iteration or loop and now sufficiently limits the number of times that the loop is executed.• CWE-79: Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting') – The software now correctly neutralizes the user-controllable input before it is placed in a web page output served to other users.• CWE-425: Direct Request ('Forced Browsing') – The web application now enforces appropriate authorization on all restricted URLs, scripts, or files.• CWE-327: Use of a Broken or Risky Cryptographic Algorithm: This software no longer uses a vulnerable cryptographic algorithm or protocol.
<p style="text-align: center;">Cybersecurity Vulnerabilities</p> <p>The following third-part components have been updated to address cybersecurity vulnerabilities.</p> <ul style="list-style-type: none">• SSH Server provided by Cryptlib - CVE-2008-5161• TCP/IP provided by Treck - CVE-2004-0230• TCP/IP provided by Treck - CVE-2004-0790• Treck stack - CVE-2012-5364• CWE-200: Exposure of Sensitive Information to an Unauthorized Actor• JQuery - CVE-2019-11358

Known Issues

Known Issue
<p>There are no known issues in this release.</p>

Miscellaneous

Recovering from a Lost Password

See the [User Guide](#) on the APC website for instructions on how to recover from a lost password.

Event Support List

To obtain the event names and event codes for all events supported by a currently connected APC device, first retrieve the config.ini file from the attached NMC. To use SCP to retrieve config.ini from a configured NMC:

1. Open a connection to the NMC, using its IP Address:
scp <admin_username>@<ip_address>:config.ini <filename_to_be_stored>
2. Log on using the Administrator user name and password
3. Retrieve the config.ini file containing the settings of the NMC of the UPS:
ftp > get config.ini

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

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 codeE0033 in the config.ini file (for the event "System: Configuration change") is 0x0033.

PowerNet MIB Reference Guide

NOTE: The [MIB Reference Guide](#) on the APC website explains the structure of the MIB, types of OIDs, and the procedure for defining SNMP 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 powernet442.mib on the [APC website](#)).

Hash Signatures

Signatures	apc_hw06_pmm_712.bin
MD5	637e44053cafbed388d012bf597e7982
SHA-1	eec0a3ed8274706c031c0ad2c24d757a8aab8a32
SHA-256	22f4051cb8fb1a2d124cbb4720c95249fabec65afa817ba3d64e915a57fcc08d

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