

Network Management Card 3 (NMC 3) for Firmware v2.5.4.4 for Smart-UPS & v2.5.4.4 for 1-Phase Symmetra Release Notes

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The Smart-UPS application firmware/1-Phase Symmetra application firmware release notes apply to the following NMC cards:

- AP9640 UPS Network Management Card 3
- AP9641 UPS Network Management Card 3
- AP9643 UPS Network Management Card 3

Affected Revision Levels

Component	File	Details
Smart-UPS Application	apc_hw21_su_2-5-4-4.nmc3	UPS Application for Smart-UPS, Smart-UPS RT, Smart-UPS VT, and MGE Galaxy 3500
Symmetra Application	apc_hw21_sy_2-5-4-4.nmc3	UPS Application for 1-Phase Symmetra and Symmetra LX

For details on upgrading the UPS Network Management Card 3 (NMC 3) firmware, see the [User Guide](#) on the Schneider Electric website. **NOTE:** If you upgrade to firmware version 2.0 or later, you cannot downgrade to a firmware version lower than 2.0.



If you downgrade from firmware version 2.4+ or later to a firmware version lower than 2.4, this will cause the card to be formatted, erasing all security certificates, encryption keys, configuration settings, and the event and data logs.

Schneider Electric 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:

1. Go to the [Schneider Electric website](#).
2. Select your preferred **Device IP Configuration Wizard** version you wish to download.
3. Click the Download button to download the **Device IP Configuration Wizard**.

New Features

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New Feature
There is no new feature in this release.

Fixed Issues

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Fixed Issue	UPS Family	
	Smart-UPS	1-Phase Symmetra
DHCPv6 no longer intermittently reboots when the network interface starts or when the Ethernet cable is reseated.	◆	◆
You can now send emails as expected if the SMTP server uses an IPv6 address.	◆	◆
Security Update		
The following third-party components (open source or proprietary) have been updated to address cybersecurity vulnerabilities: <ul style="list-style-type: none">• RADIUS Protocol under RFC 2865 - CVE-2024-3596 Implemented support for the Message-Authenticator attribute.	◆	◆
The following security vulnerability has been addressed in this release: <ul style="list-style-type: none">• CWE-1285: Improper Validation of Specified Index, Position, or Offset in Input Fixed an improper user input validation.	◆	◆

Known Issues

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Known Issue
There is no known issue in this release.

Recovering from a Lost Password

See the [User Guide](#) on the Schneider Electric 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 code E0033 in the config.ini file (for the event "System: Configuration change") is 0x0033.

PowerNet MIB Reference Guide

NOTE: The [MIB Reference Guide](#) on the Schneider Electric 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 powernet441.mib on the [Schneider Electric website](#)).

Hash Signatures

Signatures	apc_hw21_su_2-5-4-4.exe	apc_hw21_sy_2-5-4-4.exe
CRC32	ABD1E96D	2FFEA4BA
CRC64	4BFC3228E57AEA20	180E8F764B36BE4B
SHA-256	1720FFF38427A23DEC4FFF20F3D295E85A17 EA5CCF6888778B9B7B89361B73A7	FDBD6CEF4BD060B094A9916BDA38EE31812 15C013258959988CEC776D8EFE5BB
SHA-1	1D7C7AC33EE8C5F0D0EBEBA9925FC1D29E 258DD2	9046F72622DBE82B8A4D9E2F2816DD06584A 186B
BLAKE2sp	155406516024C84132F449E6F5F6563EF4B9F F5CA60D2CFD0219FFC10F9C670C	E1ECA538E02D9EF0247112330F6BC8C1FB8D AED8B6A342E94E06B64F3B43DF43

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