

Network Management Card 3 (NMC 3) for Firmware v3.2.0.8 for Smart-UPS & v3.2.0.7 for 1- Phase Symmetra Release Notes

Table of Contents

Schneider Electric Device IP Configuration Wizard	1
New Features	2
Fixed Issues	2
Known Issues	3
Miscellaneous	3

The Smart-UPS application firmware v3.2.0.8/ 1-Phase Symmetra application firmware v3.2.0.7 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

[Top ↑](#)

Component	File	Details
Smart-UPS Application	snst_nmc3_su_3-2-0-8.exe	UPS Application for Smart-UPS, Smart-UPS RT, Smart-UPS VT, and MGE Galaxy 3500
Symmetra Application	snst_nmc3_sy_3-2-0-7.exe	UPS Application for 1-Phase Symmetra and Symmetra LX

To upgrade to firmware version 3.0 or later, the only supported method is the Secure NMC System (SNS) Tool which can be downloaded from www.apc.com/secure-nmc or by searching for SFNMC3FMTSU and SFNMC3FMTSY. To access the firmware in the software, a valid Secure NMC subscription is required. For more information, see the [SNS Tool User Guide](#).

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+ 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 from the APC website at www.apc.com:

1. Go to <https://www.apc.com/shop/us/en/tools/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

[Top ↑](#)

New Feature	UPS Family	
	Smart-UPS	1-Phase Symmetra
The NMC3 platform and Smart-UPS application are now IEC 62443-4-2 SL2 certified; a higher level of certification than SL1 announced in October 2023.	◆	◆
Support added for optional Spot Fluid Sensor (NBES0301).		◆
Support added for configuring Universal I/O sensors via the <code>cfguio</code> command on the Command Line Interface (CLI).		◆
Support added for audit logging to ensure that control actions and configuration changes are recorded in the Event Log.		◆
Security Update		
Support added for integrity checking of the configuration file.	◆	◆

Fixed Issues

[Top ↑](#)

Fixed Issue	UPS Family	
	Smart-UPS	1-Phase Symmetra
SSH and Telnet sessions now terminate as expected.	◆	◆
The Web UI now supports the Primary and Secondary DNS fields with a maximum of 40 characters.	◆	◆
An error no longer appears when trying to access certain Web UI pages as a Network-Only user.	◆	◆
NMC no longer reboots when configuring 'Controlled Early Shutdown' parameters from the configuration file.	◆	
It is now possible to navigate from the Universal I/O status web page to other web pages.		◆

Fixed Issue	UPS Family	
	Smart-UPS	1-Phase Symmetra
Security Update		
<p>The following security vulnerability has been addressed in this release:</p> <p>CWE-863: Incorrect Authorization</p> <p>The Network-Only user can only perform actions within the Web UI that corresponds to their access level.</p>	◆	◆
<p>The following security vulnerability has been addressed in this release:</p> <p>CWE-20: Improper Input Validation</p> <p>Incoming BACnet packet sizes are now validated.</p>	◆	◆

Known Issues

[Top ↑](#)

Known Issue
There is no known issue in this release.

Miscellaneous

[Top ↑](#)

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 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 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 powernet441.mib on the APC website, www.apc.com).

Secure NMC System (SNS) Tool for Smart-UPS and 1-Phase Symmetra Hash Signatures

Signatures	snst_nmc3_su_3-2-0-8.exe	snst_nmc3_sy_3-2-0-7.exe
CRC32	C35FC6F7	3B9F46E1
CRC64	96D9D206CEB88F5C	7AAD51767A944CF3
SHA-256	CBEB12D026E980DB7431302A467ACEC8C33 E622D18ABE7908A71A9B017A618DE	B147E22EA874C3B72FC40803C565D07143D1 EDAFB8D4030A2F4BEF2BB2A19712
SHA-1	C09CF0C69A1046EC7F15D929599BC536C6D CBB3B	8B84CD15549CE397580335C226F6A8A79C07 C045
BLAKE2sp	F7EF95B576FB88C4FB8EE5ECD7FE36C03A1 8BB05EDD1A19BEC49AC0A8B765DBD	B2A29546CE1CB5B5D64060F9C8CA915794BB 702E3D643E6B81FDDCC70A0F1C83

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