

Network Management Card 3 (NMC 3) for Firmware v2.5.3.3 for Smart-UPS & v2.5.3.2 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_2-5-3-3.nmc3	UPS Application for Smart-UPS, Smart-UPS RT, Smart-UPS VT, and MGE Galaxy 3500
Symmetra Application	apc_hw21_sy_2-5-3-2.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 APC 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 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

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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
Downloading the Event Log via the Web UI works as expected when the language is set to Japanese.	◆	◆
Security Update		
The following security vulnerability has been addressed in this release: CWE-200: Exposure of Sensitive Information to an Unauthorized Actor SSH Cipher Block Chaining (CBC) cipher has been removed.	◆	◆
The following security vulnerabilities have been addressed in this release: <ul style="list-style-type: none">• CWE-523: Unprotected Transport of Credentials. Login pages do not use adequate measures to protect the user name and password while they are in transit from the client to the server.• CWE-319: Cleartext Transmission of Sensitive Information. The product transmits sensitive or security-critical data in cleartext in a communication channel that can be sniffed by unauthorized actors. The user is now referenced as a index rather than their username, for example: NMC/KrtUvuh39YtQmHbyua297g/usercfg.htm?user=2	◆	◆
The following security vulnerability has been addressed in this release: CWE-863: Incorrect Authorization The Network-Only user can only perform actions in the Web UI relevant to the user access level.	◆	◆
The following security vulnerability has been addressed in this release: CWE-20: Improper Input Validation Incoming BACnet packet sizes are now validated.	◆	◆

Fixed Issue	UPS Family	
	Smart-UPS	1-Phase Symmetra
<p>The following security vulnerability has been addressed in this release:</p> <p>CWE-598: Use of GET Request Method With Sensitive Query Strings. This software uses the HTTP GET method to process a request and includes sensitive information in the query string of that request.</p> <p>Configuration of HSTS is now independent from HTTP or HTTPS configuration. When HSTS is enabled an STS header is added to all responses over HTTPS.</p>	◆	◆

Known Issues

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Known Issue
There is no known issue in this release.

Miscellaneous

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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).

Hash Signatures

Signatures	apc_hw21_su_2-5-3-3.exe	apc_hw21_sy_2-5-3-2.exe
CRC32	1B525C68	04E90885
CRC64	1919EC007B13BC96	20EA59213CDCA39E
SHA-256	C641E5D549CB88F6CDF914A9BD79A3F4501 18FC9CE6ADA47EA35A5C96FFA77C1	091163C905F29652AB41B4ABE12CA45402376 B6CACD80E5911C9DDB2CC308134
SHA-1	BCF0BE585DD3E21AF7A3ADA8F7893B5A0B8 F1198	FCFB7578356DFC98253BDDCBA2C483AF76D F8A43
BLAKE2sp	6DBF86236F9B6EE639B42A883F832182ADF9 990D99801ECD5FA4B8D1E42F56FA	50CC9F255DE9DF12FB94C3AAD92661500CB B05FEB4A5DEF8BCDF1691529D4736

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