

Network Management Card 3 (NMC 3) Firmware v1.5.1.1 for Smart-UPS & Single-Phase Symmetra Release Notes

Table of Contents

Affected Revision Levels.....	1
Schneider Electric Device IP Configuration Wizard	1
New Features.....	2
Fixed Issues	2
Known Issues.....	3
Miscellaneous.....	4

The Smart-UPS and Single-Phase Symmetra application firmware v1.5.1.1 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	apc_hw21_su_1-5-1-1.nmc3	UPS Application for Smart-UPS, Smart-UPS RT, Smart-UPS VT, MGE Galaxy 3500
Symmetra Application	apc_hw21_sy_1-5-1-1.nmc3	UPS Application for Single Phase Symmetra, Symmetra LX, Symmetra RM

For details on upgrading the UPS Network Management Card 3 (NMC 3) firmware, see the [User Guide](#) on the APC website.

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	Single-Phase Symmetra
<p>Upgrade NMC Firmware</p> <p>Support added for upgrading the NMC's firmware via a USB flash drive. For more information, see the User Guide on the APC website.</p>	◆	◆
<p>Security Vulnerabilities Addressed</p> <p>This release includes remediation for various vulnerabilities which include multiple cross-site scripting vulnerabilities, potential disclosure of non-sensitive data (debug file), and account manipulation by administrator-level or higher accounts.</p>	◆	◆
<p>UPS Support</p> <p>Support added for Smart-UPS 3G, 3.5G, and 3.6G devices.</p>	◆	
<p>Rated Output Voltage Support</p> <p>You can now configure the Rated Output Voltage for a UPS device as 125 VAC.</p>	◆	
<p>UPS Support</p> <p>Support added for Symmetra RM UPS devices.</p>		◆

Fixed Issues

[Top ↑](#)

Fixed Issue	UPS Family	
	Smart-UPS	Single-Phase Symmetra
SSH/SSL keys are now correctly deleted via the Web UI if they were generated via the CLI.	◆	◆
The result of a self test is now correctly reported via the <code>upsAdvTestDiagnosticsResults</code> SNMP OID.	◆	
Outlet group-related commands in the CLI now work as expected for UPS devices with 2 and 3 switched outlet groups.	◆	
Navigating to the Energy Log Configuration Web page (<code>ulencfg.htm</code>) in French no longer causes the NMC to warmstart. For more information on warmstarting, see Knowledge Base article FA156063 on the APC website.	◆	

Fixed Issue	UPS Family	
	Smart-UPS	Single-Phase Symmetra
The NMC no longer warmstarts when uploading a config.ini file via FTP/SCP or accessing the Configuration > General > Identification (genid.htm) Web page in German. For more information on warmstarting, see Knowledge Base article FA156063 on the APC website.		◆
Bypass-related alarms now clear as expected in BACnet.		◆
Navigating to the Battery Frame Status Web page under certain conditions no longer causes the NMC to warmstart. For more information on warmstarting, see Knowledge Base article FA156063 on the APC website.		◆
Modifying values in the Configuration > Power Settings (upinput.htm) Web page no longer causes the NMC to warmstart. For more information on warmstarting, see Knowledge Base article FA156063 on the APC website.		◆
Entering invalid parameters for the <code>cfgpower</code> command in the CLI no longer causes the NMC to warmstart. For more information on warmstarting, see Knowledge Base article FA156063 on the APC website.		◆
The CLI now correctly lists the <code>bacnet</code> , <code>modbus</code> , and <code>uio</code> menus.		◆
The <code>ddf.zip</code> file can now successfully be transferred via FTP in StruxureWare Data Center Expert.		◆

Known Issues

[Top ↑](#)

Known Issue	UPS Family	
	Smart-UPS	Single-Phase Symmetra
When two NMCs are inserted in a compatible UPS and the firmware version of the NMC in slot 1 is upgraded/downgraded via FTP/SCP, the NMC in slot 2 will lose communications with the UPS. The “UPS: Lost the local network management interface-to-UPS communication” event is logged to the Event Log for the NMC in slot 2.		◆

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 powernet436.mib on the APC website, www.apc.com).

Hash Signatures

Signatures	apc_hw21_su_1-5-1-1.exe	apc_hw21_sy_1-5-1-1.exe
CRC32	6D989D95	65214158
CRC64	AD231832DEEB49C9	2438D3D40CAE1549
SHA-256	1529F3DBB27A63760E86DFB583056D9150B 7D6B138D835719EEDB716E60D6CFD	F932E83920900933027AB14A1F1E6ADA3FC EE171F6B2704273AA4EC99E2973FD
SHA-1	6F0622EB28AF7D8A1EE19428636E11428D 9793F7	21200FF31ABE2FB0DF3559B88A486F89D77 8AF97
BLAKE2sp	452454D50E4BCFA1CB5DF0EA50FC3B67278 871FD60B848B1DF52A5B8F9A5C80A	30DCFD960E03EB7EA374BE12FA8144439C0 8795700A49BF31B0EE945A98C0B40