

Network Management Card 3 (NMC 3)

Firmware v2.3.1.1 for Smart-UPS & 1-Phase Symmetra

Release Notes

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The Smart-UPS and 1-Phase Symmetra application firmware v2.3.1.1 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

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Component	File	Details
Smart-UPS Application	apc_hw21_su_2-3-1-1.nmc3	UPS Application for Smart-UPS, Smart-UPS RT, Smart-UPS VT, MGE Galaxy 3500
Symmetra Application	apc_hw21_sy_2-3-1-1.nmc3	UPS Application for 1-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. **NOTE:** If you upgrade to firmware version 2.0.x, you cannot downgrade to a firmware version lower than 2.0.x.

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	UPS Family	
	Smart-UPS	1-Phase Symmetra
Security Updates This release includes a fix for a BACnet vulnerability.	◆	◆

Fixed Issues

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Fixed Issue	UPS Family	
	Smart-UPS	1-Phase Symmetra
Network flapping issue resolved.	◆	◆

Known Issues

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Known Issue	UPS Family	
	Smart-UPS	1-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 powernet441.mib on the APC website, www.apc.com).

Hash Signatures

Signatures	apc_hw21_su_2-3-1-1.exe	apc_hw21_sy_2-3-1-1.exe
CRC32	FF0D6AD1	2B82EE7B
CRC64	E6BF59D156BBF556	B5FA493FB6C8C45D
SHA-256	327c35644400d03e67c714988db509b9a27b1a652b8ab137e62d10b03fd981fd	8924b7e417d61bc53c3670795c9d7eb95d38e64aabf58a43f7994e8198490a8a
SHA-1	02c0417c2c71d5256082a93e2405ed16b31b1ad8	ab15c54256ab767d5a45824b15b6a81aab8ce5d4
BLAKE2sp	939c1e841219e8b958931cfe73e8b2f7358d67268d988904abb52be1b80e8ca3	b7d17c46bf14fbed6c55b86af77e66e93e1f431ffa1c177c009a58b8c241de49

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