

# Network Management Card 3 (NMC 3) Firmware v1.3.3.1 for Smart-UPS and v1.3.2.1 Single-Phase Symmetra Release Notes

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The Smart-UPS and Single-Phase Symmetra application firmware v1.3.3.1/v1.3.2.1 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_1-3-3-1.nmc3	UPS Application for Smart-UPS, Smart-UPS RT, Smart-UPS VT, MGE Galaxy 3500
Symmetra Application	apc_hw21_sy_1-3-2-1.nmc3	UPS Application for Single Phase Symmetra, Symmetra LX

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.

### NOTE:

- 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](http://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	Single-Phase Symmetra
<p><b>Ripple20 Vulnerability Fixes</b></p> <p>v1.3.3.1 addresses Ripple20 vulnerabilities affecting Treck Inc.'s embedded TCP/IP stack, defined in the following CVEs: CVE-2020-11896, CVE-2020-11898, CVE-2020-11899, CVE-2020-11898, CVE-2020-11901, CVE-2020-11902, CVE-2020-11904, CVE-2020-11905, CVE-2020-11906, CVE-2020-11907, CVE-2020-11909, CVE-2020-11910, CVE-2020-11911, CVE-2020-11912, CVE-2020-11913, CVE-2020-1191.</p> <p>For more information, see Schneider Electric/APC security bulletin: <a href="https://www.se.com/ww/en/download/document/SEVD-2020-174-01/">https://www.se.com/ww/en/download/document/SEVD-2020-174-01/</a></p>	◆	◆

## Known Issues

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Known Issue	UPS Family	
	Smart-UPS	Single-Phase Symmetra
<p>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.</p>		◆

### 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 FTP to retrieve config.ini from a configured NMC:

1. Open a connection to the NMC, using its IP Address:  
ftp > open <ip\_address>
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 FTP.

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 powernet432.mib on the APC website, [www.apc.com](http://www.apc.com)).

### Hash Signatures

Signatures	apc_hw21_su_1-3-3-1.exe	apc_hw21_sy_1-3-2-1.exe
CRC32	218BA731	560BC329
CRC64	B908FC2069AF5C6B	D0C98A9ABD07E1C2
SHA-256	0809F103FEBBC101C284969D8321B5C466E32 002070425873CD0F6C8C8AD22C6A	9DB75757520C9CB9BF86F02AB238256B004 1F72157BF6D985C1FF7F227A54A47
SHA-1	94E9129BEEA5123FC211E7FE67E7D51C19A 570BE	E52D40FC8B4C4FB2E728C414B0B9243DA4 0B56B1
BLAKE2sp	D6571C0108893D5ACAB12AF01DAC1516E9 348DBAE486E37EC13F57F23B8F4DF2	020CFD45DA184032FF51988D8B9AF5518A5 4E3B84C6B9A4B8AE7661ADA67A599

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