

Network Management Card 3 (NMC 3) Firmware v2.1.2.5 for Smart-UPS Ultra 5-20 kW Release Notes

Table of Contents

Network Management Card 3 (NMC 3).....	1
Affected Revision Levels.....	1
Schneider Electric Device IP Configuration Wizard	1
New Features.....	2
Fixed Issues	2
Known Issues.....	3
Miscellaneous.....	5

Affected Revision Levels

[Top ↑](#)

Component	File	Details
Smart-UPS Ultra Application	apc_hw21_sucan_2-1-2-5.nmc3	UPS Application for Smart-UPS Ultra 5-20 kW.

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	
	SRTL Devices	SRYL Devices
<p>UPS Support</p> <p>Support added for Smart-UPS Ultra 5-20 kW devices, including SRTL5KRM2UI, SRTL5KRM2UT, SRTL5KRM2UJ, SRYL5K15RMXLT, SRYL5K20RMXLT, SRYL10K15RMXLT, SRYL10K20RMXLT, SRYL15K15RMXLT, SRYL15K20RMXLT, SRYL20K20RMXLT.</p>	◆	◆

Fixed Issues

[Top ↑](#)

Fixed Issue	UPS Family	
	SRTL Devices	SRYL Devices
The “UPS Overheated” alarm is now supported.	◆	
The NMC no longer reboots when a USB mass storage device is connected.	◆	
The Total Cost and CO2 Emissions values are now correctly displayed in the Energy Usage Web UI screen.	◆	
You can now update the UPS firmware via the Firmware Update screen in the Web UI using Internet Explorer or Microsoft Legacy Edge browsers. NOTE: Microsoft has ended support for both these browsers.	◆	
The UPS firmware update now initiates as expected when the “only when the output power is off after download” radio button is selected in the Firmware Update Settings Configuration screen in the Web UI.	◆	
UPS-related events are now logged to the Power Event Log as expected.	◆	
You can now edit the Last Battery Replacement date in the UPS Configuration screen in the Web UI.	◆	

Known Issues

[Top ↑](#)

Known Issue	UPS Family	
	SRTL Devices	SRYL Devices
After updating the NMC's firmware via a USB flash drive, the USB is not recognized in the UPS display or NMC Web UI.	◆	◆
Following a successful NMC firmware upgrade via a USB drive, USB-related options under Configuration > USB are not available in the UPS display for UPS devices with the SRYL prefix. To workaround the issue, remove and insert the USB drive.		◆
Only alphanumeric passwords are supported for new users created in the NMC for access to the UPS display.		◆
When an internal or external Battery Module is connected or disconnected from its slot, the Event Log entry does not report its serial number.		◆
You cannot make configuration changes via the UPS display when RADIUS is enabled and the User Mode is set to "Authentication Needed".		◆
It can take up to 30 minutes to complete a UPS firmware upgrade when using HTTPS. To workaround this, use SCP as an alternative.		◆
The option to cancel or mute a UPS audible alarm is not present in the Web UI.		◆
The <code>ups -s start</code> command does not work as expected in the CLI.		◆
The <code>cfgpower -red</code> command does not work as expected in the CLI.		◆
There is no option to set the language of the UPS display in the NMC Web UI.		◆
There is no option in the Web UI or UPS display to cancel a UPS audible alarm test. It is not recommended to initiate a continuous alarm as the only way to stop the UPS beeping is to turn off the UPS.		◆
The NMC intermittently reports lost communications for 30-50 seconds. Communications are automatically restored by the NMC and a reboot is not required.	◆	
When a UPS firmware upgrade is in progress, the <code>upsAdvcontrolFirmwareUpdate</code> SNMP OID incorrectly reports the value as "noFirmwareUpdate" instead of "UpdateInProgress".	◆	
Filtering by time does not work as expected for the Power Event Log.	◆	
Entering unsupported commands in the Command Line Interface (CLI) does not return a E102 Parameter error as expected.	◆	
Some pages in the Web UI help are not updated.	◆	

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_sucan_2-1-2-5.exe
CRC32	CF913977
CRC64	85A6A0D35B51890C
SHA-256	83F6C02D7ADA135F8946ADF63EC647DA1DF2C02E5426B2C991595A5E2C1ECF2C
SHA-1	9C77C4B6F2911B9E76F457B08334945AD0D6A548
BLAKE2sp	A699416CAA04D63F253031D3BF196FFA24E18A6665F69673376AA76EDF89B738

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990-91591C-001

09-2022