Network Management Card 3 (NMC 3) Firmware v2.5.1.3 for Smart-UPS Ultra 5-20 kW Release Notes

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Affected Revision Levels

Component	File	Details
Smart-UPS Ultra Application	apc_hw21_sucan_2-5-1-3.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 http**s**.

The Wizard is available as a free download:

1. Go to the **APC website**.
2. In the search bar, type **Wizards and Configurators**.
3. Navigate to the **Products** page to view the list of utilities available for download.
4. Select your preferred **Device IP Configuration Wizard** version you wish to download.
5. Click the **Download** button to download your selected **Device IP Configuration Wizard**.

New Features

New Feature	UPS Family	
	SRTL Devices	SRYL Devices
Support added for Dell VxRail.	♦	♦
Support added for new Smart-UPS Ultra devices SRTL8KRM4UI and SRTL10KRM4UI, both devices have Switched Outlet Groups.	♦	
Display screen improvements. See the **Fixed Issues** section for more details.		♦
Support added for Smart-UPS Modular Ultra devices SRYL13KRMM and SRYL18KRMM.		♦
The NMC now supports UPS firmware updates while the UPS is in Manual Bypass mode.		♦
The system now allows the setting of **Output Voltage** when the output is in Manual Bypass.		♦

Fixed Issues

Fixed Issue	UPS Family	
	SRTL Devices	SRYL Devices
The data log values were updated for kW and kVA.	♦	♦
You can now set the **Output Frequency Slew Rate** from the Web UI.	♦	♦
Always acceptable and **Never acceptable** options were added in SNMP to the `upsAdvConfigBypassPhaseLockRequired` OID.	♦	♦
The location of internal battery modules are now also displayed in the Web UI.	♦	♦
UPS firmware upgrades work as expected if initiated via the NMC in the SmartSlot.	♦	♦
The UPS Event Log now displays battery frame information when battery modules are removed or installed.	♦	♦
The NMC now supports the latest set of UPS alarms with the correct severity.	♦	♦
The default baud rate was changed to 9600 for UIO serial port communication.	♦	
The NMC no longer reports lost communications for 30-50 seconds.	♦	

The **Power Module Fault** message now includes the faulted power module location.		♦
The NMC and its display will now reboot after performing 'Reset all Exclude TCP/IP'.		♦
After setting the IP address manually via the display, the NMC and its display now reboots automatically as expected.		♦
The UPS status is now correctly shown in the display when the UPS is in **Software Bypass** and **Temporary Bypass** modes.		♦
When the UPS is in **Error condition**, the UPS status now correctly reports the **Error state** on the display.		♦
Saving the Debug Log on a USB drive will now provide the full set of files as expected.		♦
Line-to-Line output voltage is now reported in the NMC data log.		♦
The reported load percentage on the display's home screens is no longer dependent on the redundancy setting and always uses the N+0 value.		♦
When the display access is disabled, the user cannot log in on the display.		♦
The **Status > UPS > Output** screen on the display has been updated to always show the percent power values at N+0 regardless of the redundancy setting.		♦
The minimum to maximum range data has been removed from the display configuration screens.		♦
When the UPS is off without an error condition, the display will now show 'Output Off' as expected.		♦
The **Status > UPS > Overview** screen on the display is now redesigned for localization support.		♦
On the display, the USB menu will now show as expected after disconnecting and reconnecting the USB drive.		♦
Following a successful UPS firmware upgrade via a USB drive, USB-related options under the **Configuration > USB** screen are now available in the display.		♦
The CLI now allows you to change the redundancy alarm setting via `cfgpower -red` command.		♦

Known Issues

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 display or NMC Web UI.	♦	♦
Some pages in the Web UI help are not updated.	♦	♦
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 alarm description is shown incorrectly in DCE for outlet group-related alarms.	♦	
You cannot unzip the debug file completely from a USB drive. This issue is seen intermittently.	♦	
When a UPS firmware upgrade is in progress, the `upsAdvcontrolFirmwareUpdate` SNMP OID incorrectly reports the value as "noFirmwareUpdate" instead of "UpdateinProgress".	♦	
Filtering by time does not work for the Power Event Log.	♦	
Entering unsupported commands in the Command Line Interface (CLI) does not return a E102 Parameter error.	♦	
You are unable to configure some OIDs `upsAdvConfigAlarmRedundancy,` `upsAdvConfigHighBypassLLTransferVolt,` `upsAdvConfigLowBypassLLTransferVolt` from SNMP interface.		♦
Only alphanumeric passwords are supported for new users created in the NMC for access to the 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 display when RADIUS is enabled and the **User Mode** is set to "Authentication Needed".		♦
The option to cancel or mute a UPS audible alarm is not present in the Web UI.		♦
The `ups -s start` CLI command is unsuccessful even when the self-test is started correctly.		♦
There is no option to set the language of the display in the NMC Web UI.		♦
There is no option in the Web UI or the 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.		♦
You cannot modify the output voltage setting from the SNMP interface if the output is in **Manual Bypass**.		♦
The "Minimum Redundancy lost" event is not displayed in PowerChute Network Shutdown although it is supported by the NMC. If this event occurs, the server will not shutdown.		♦

Miscellaneous

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**).

Hash Signatures

Signatures	apc_hw21_sucan_2-5-1-3.exe
CRC32	2B309B2E
CRC64	DF6A37B237A23FC4
SHA-256	0E6A13148CBD3EF5C860A7FA11713B3BB3416B0FF0DD8F59E613ACEC0D2A4FFB
SHA-1	C54FA1BA2349383C3FB9FABBEE752C534804F868
BLAKE2sp	98F421FE6BF7823CA77518E42E557E84EA3D0F97DAEBFB74AFA8E7882237CCFA

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