

Network Management Card 3 (NMC 3)

Firmware v3.3.0.8 for Smart-UPS Ultra 5-20 kW Release Notes

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Affected Revision Levels

Component	File	Details
Smart-UPS Ultra 5-20 kW Application	Windows: snst_nmc3_sucan_3-3-0-8.exe Linux & macOS: snst_nmc3_sucan_3-3-0-8.tar.gz	UPS Application for Smart-UPS Ultra 5-20 kW

To upgrade to firmware version 3.0 or later, the only supported method is the Secure NMC System (SNS) Tool which can be downloaded from www.se.com/secure-nmc or by searching for SFNMC3FMTSUCAN. To access the firmware in the software, a valid Secure NMC subscription is required. For more information, see the [SNS Tool User Guide](#).



If you downgrade from firmware version 2.4+ to a firmware version lower than 2.4, this will cause the card to be formatted, erasing all security certificates, encryption keys, configuration settings, and the event and data logs.

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:

1. Go to the [SE 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

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New Feature	UPS Family	
	SRTL Devices	SRYL Devices
Command Line Interface (CLI) added to the Web UI under Control > Network > Web CLI .	◆	◆
IPv6 functionality is improved.	◆	◆
Added support for smart Service Bypass Unit.		◆
The display now fully supports the lights/beeper test.		◆
Added display support for Efficiency Test Mode.		◆

Fixed Issues

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Fixed Issue	UPS Family	
	SRTL Devices	SRYL Devices
The LDAP TLS connection now works as expected when connecting to an IP address and server certificate using SAN type "IPAddress".	◆	◆
DHCPv6 no longer intermittently reboots when the network interface starts or when the Ethernet cable is reseated.	◆	◆
Improved logging for account disabled events.	◆	◆
The expiration date of self-signed certificates has been updated.	◆	◆
You can now send emails as expected if the SMTP server uses an IPv6 address.	◆	◆
The severity of Syslog-related events in the configuration file has been corrected.	◆	◆
The NMC now supports the latest set of UPS alarms with the correct severity and improved alarm messages.	◆	◆
The alarm description is now shown correctly in DCE for outlet group-related alarms.	◆	

Fixed Issue	UPS Family	
	SRTL Devices	SRYL Devices
Security Update		
The following third-party components (open source or proprietary) have been updated to address cybersecurity vulnerabilities: RADIUS Protocol under RFC 2865 - CVE-2024-3596 Implemented support for the Message-Authenticator attribute.	♦	♦
The following security vulnerability has been addressed in this release: CWE-1285: Improper Validation of Specified Index, Position, or Offset in Input Fixed an improper user input validation.	♦	♦

Known Issues

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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.	♦	♦
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 for the Power Event Log.	♦	♦
Entering unsupported commands in the Command Line Interface (CLI) does not return a E102 Parameter error.	♦	♦
You cannot unzip the debug file completely from a USB drive. This issue is seen intermittently.	♦	
You are unable to configure <code>upsAdvConfigAlarmRedundancy</code> OID from SNMP interface.		♦
When an internal or external Battery Module is connected or disconnected from its slot, the Event Log entry does not report its serial number.		♦

Known Issue	UPS Family	
	SRTL Devices	SRYL Devices
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 <code>ups -s start</code> 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.		◆
You cannot modify the output voltage setting from the SNMP interface if the output is in Manual Bypass .		◆

Miscellaneous

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Recovering from a Lost Password

See the [User Guide](#) on the Schneider Electric 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 Schneider Electric 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 Schneider Electric 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 [Schneider Electric website](#)).

Secure NMC System (SNS) Tool for Smart-UPS Ultra Hash Signatures

Windows

Signatures	snst_nmc3_sucan_3-3-0-8.exe
CRC32	2287D7E8
CRC64	BD2BB46FE19880C7
SHA-256	784095DFECA1F011FBDC4AACF97D3EE311FEC20AD3794BD37597514248871E2D
SHA-1	95956FDC1D54E5A4161197D192362AE00F8542A5
BLAKE2sp	A7D04B3AE3432AA17751FDF8B785706692D993CBDCC27BEA775187610CADE644

Linux

Signatures	snst_nmc3_sucan_3-3-0-8.tar.gz
CRC32	DE3EAC04
CRC64	8A680C99FFFE53BE
SHA-256	7B3A42CC0E67C5C5E24B36CC65CD97F8823484DA07EFDBDCA269136E7787179C
SHA-1	52E868554F1200179BC907A7CE68B6B6C9739C33
BLAKE2sp	C70D6540D9B60E833A8E6D77036C75C50A97CF7804F6A0EF5A02068A219E6A02

macOS

Signatures	snst_nmc3_sucan_3-3-0-8.tar.gz
CRC32	428EB57D
CRC64	ABBA1AA4129247E0
SHA-256	A6A4DC96FCAB00B967B9906392E5237F798D84E0427EBBF84CBA1ED35F6D62FD
SHA-1	83ACC8A455C6922C217B54D42E1720CA9F6ABF81
BLAKE2sp	F6818C9DB6FA17D2D70AD9ECFC6A489F289D8E7A684482272B8E22E74E54E0FD

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