

Network Management Card (AP9544) for Easy UPS 1-Phase Firmware v2.5.1.8 Release Notes

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Affected Revision Levels

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Component	File	Details
Easy UPS 1-Phase Application	apc_hw21_eu1p_2-5-1-8.nmc3	UPS Application for Easy UPS models SRV1KL-IN, SRVPM3KRIL-IN, SRVPM2KRIL-IN, SRV1KUXI-IN, SRV2KUXI-IN, SRV3KUXI-IN, SRV1KI, SRV2KI, SRV3KI, SRVPM1KIL, SRVPM2KIL, SRVPM3KIL, SRV1KRI, SRV2KRI, SRV3KRI, SRV2KL-IN, SRV3KL-IN, SRV3KI-E, SRV1KRI-E, SRVPM1KRIL, SRVPM2KRIL, SRVPM3KRIL, SRV1KA, SRV2KA, SRV3KA, SRV1KRA, SRV2KRA, SRV3KRA, SRVLPM1KRIL, SRVLPM2KRIL, SRVLPM3KRIL, SRVSL1KRARK, SRVSL3KRARK, SRV2KRI-E, SRVPM1KIL-E, SRVPM6KRI, SRVPM10KRI, SRVPM10KIL, SRVSPM5KRI, SRV6KUXI-IN, SRV6KL-IN, SRVSVPM5KRIL, SRVSL3KRIRK, SRVLPM3KRIL-IN, SRVPM6KIL, SRVPM10KRIL-IN, SRV10KUXI-IN, SRVLPM3KRIL-IN, SRVSL1KRIRK, SRVSL2KRIRK, SRVSL3KRIRK, SRVLPM6KRIL, SRV15KUXI-IN, SRV20KUXI-IN.

For details on upgrading the UPS Network Management Card (NMC) firmware, see the [User Guide](#) on the Schneider Electric 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 Schneider Electric website:

1. Go to [Downloads for Software & Firmware | Schneider Electric](#)
2. Select your preferred **Device IP Configuration Wizard** version you wish to download.
3. Click the **Download** button to download the **Device IP Configuration Wizard**.

New Features

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New Feature
Updated the banner text to highlight the included subscription and indicate that v2.5.x is not the latest firmware.

Fixed Issues

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Fixed Issue
Database corruption no longer triggers a system restart during power interruptions or restarts when the data is written.
DHCPv6 no longer intermittently reboots when the network interface starts or when the Ethernet cable is reseated.
You can now send emails as expected if the SMTP server uses an IPv6 address.
Removed the following SSH <code>aes128/256-cbc</code> and <code>diffie-hellman-group14-sha1</code>
Downloading the event log in Japanese now works as expected and no longer restarts the NMC3.
Security Updates
The following third-party components (open source or proprietary) have been updated to address cybersecurity vulnerabilities: <ul style="list-style-type: none">• RADIUS Protocol under RFC 2865 - CVE-2024-3596 Implemented support for the Message-Authenticator attribute.

Fixed Issue
Security Updates
<p>The following security vulnerability has been addressed in this release:</p> <ul style="list-style-type: none"> CWE-1285: Improper Validation of Specified Index, Position, or Offset in Input <p>Fixed an improper user input validation.</p>
<p>The following security vulnerabilities have been addressed in this release:</p> <ul style="list-style-type: none"> CWE-523: Unprotected Transport of Credentials. Login pages do not use adequate measures to protect the user name and password while they are in transit from the client to the server. CWE-319: Cleartext Transmission of Sensitive Information. The product transmits sensitive or security-critical data in clear text in a communication channel that can be sniffed by unauthorized actors <p>The user is now referenced as an index rather than the username NMC/KrtUvuh39YtQmHbyua297g/usercfg.htm?user=2</p>
<p>The following security vulnerability has been addressed in this release:</p> <ul style="list-style-type: none"> CWE-863: Incorrect Authorization <p>The Network-Only user can only perform actions in the Web UI relevant to the user access level.</p>
<p>The following security vulnerability has been addressed in this release:</p> <ul style="list-style-type: none"> CWE-20: Improper Input Validation <p>Incoming BACnet packet sizes are now validated.</p>
<p>The following security vulnerability has been addressed in this release:</p> <ul style="list-style-type: none"> CWE-116 Improper Encoding or Escaping of Output

Known Issues

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Known Issue
<p>When configuring a scheduled shutdown, it is not recommended you disable “Signal PowerChute Network Shutdown Clients” or that you set “Turn Back On” to Immediately.</p>
<p>External Battery Pack events are only displayed in English in the Web UI.</p>
<p>“UPS: Deleted a One-Time scheduled shutdown” event is not correctly translated in the Japanese Web UI.</p>
<p>“Name” and “Vx-rail cluster shutdown error” are only displayed in English in the Web UI.</p>
<p>Runtime Calibration does not perform as expected due to discrepancies between the Nominal battery voltage and the Rated battery voltage.</p> <p>NOTE: This issue is specific to SRVSPM5KRI.</p>

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 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

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 powernet441.mib on the Schneider Electric website, www.se.com).

NOTES:

1. Refer to the UPS User Guide for more information on the External Battery Count Max value.
2. Modbus TCP must use Device ID=2 to communicate with the NMC.

Hash Signatures

Signatures	apc_hw21_eu1p_2-5-1-8.exe
CRC32	DDE061E9
CRC64	43FC4359A15D443E
SHA-256	D77C9E01C2C4A4E41E7FAA8661FEDB06D428C0EDCE85DF2D29DBD04D1E7B8802
SHA-1	012A27B7A76E774D63E743F1292C7578E0B72B45
BLAKE2sp	59319CEAFF8BB260BCBC0E7202E83B484B94FED15339477BC2B5C30C0D78C1BC

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