

Network Management Card (AP9547) for Easy UPS, 3-Phase Firmware v3.3.0.1 Release Notes

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Affected Revision Levels

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Component	File	Details
Easy UPS 3-Phase Application	apc_hw21_eu3p_3-3-0-1.nmc3	UPS application for Easy UPS 3S, 3S Pro, 3M, 3L, Galaxy 3L and Galaxy PW 2nd Gen.

For details on upgrading the UPS Network Management Card (NMC) firmware, please contact your local Schneider Electric Service Representative or Schneider Electric Certified Service Partner.

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 [Software & Firmware](#) page.
2. In the search bar, type the Network Management Device IP Configuration Wizard.
3. Select your preferred **Device IP Configuration Wizard** version you wish to download.
4. Click **Files to Download** to download your selected **Device IP Configuration Wizard**.

New Features

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New Feature
Command Line Interface (CLI) added to the Web UI under Control > Network > Web CLI .
AP9547 support is added to Easy 3S Pro unit. Support for NMC IPv4 mode settings and NMC Modbus settings is now available through the UPS HMI.
IPv6 functionality improvements.
Security Update
The customized .ini file name may optionally contain a CRC32 for integrity checking of the .ini file before processing.

Fixed Issues

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Fixed Issue
SSH and Telnet sessions now terminate as expected.
The primary and secondary DNS fields in the Web UI now accept 40 characters.
An error is no longer displayed when trying to access some Web UI pages as a Network-Only user.
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.

Fixed Issue

Security Update

The following security vulnerabilities has been addressed in this release:

- CWE-863: Incorrect Authorization. The Network-Only user can only perform actions in the Web UI relevant to the user access level.
- CWE-20: Improper Input Validation. Incoming BACnet packet sizes are now validated.
- CWE-1285: Improper Validation of Specified Index, Position, or Offset in Input. Fixed an improper user input validation.

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.

Known Issues

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Known Issue

For "Battery condition weak" alarm, the description appears as "Battery condition is poor" across all interfaces.

In E3S Pro, the 'Low battery' alarm is briefly displayed when the battery breaker is toggled, even if the battery is fully charged.

In E3S Pro, the **In Bypass: For maintenance** alarm displays as "In Bypass" on all interfaces.

In E3S Pro, the values for Battery maintenance cycle, actual running time, DC capacitor running time, AC capacitor running time, Aux Power Supply (APS) running time, and Battery running time are not supported and are displayed as zero across all NMC interfaces.

"Breaker Q2 (UOB) open" alarm is not supported in E3S Pro.

For E3S Pro, Phase-to-phase Output measurement parameters are not displayed in NMC interfaces.

The NMC information for E3S Pro is not available on the SNMP MIB Browser.

The number of Output Phases parameter is not displayed in the BACnet interface of E3S Pro and GPW2.

For E3S and E3S Pro, Output P-P voltages are displayed as '0' instead of -1 in the SNMP MIB browser.

Known Issue

For "Battery condition weak" alarm, the description appears as "Battery condition is poor" across all interfaces.

For the E3S Pro, NMC reboot events can sometimes be observed in the event log when the IPv4 mode is changed from DHCP to BOOTP via the UPS HMI.

When a misspelled Modbus command is entered in the Web CLI, a 'Parameter error' is not shown, but the functionality remains unaffected.

Alarms strings need to be translated for the following events:

1. Batteries check recommended.
2. Fans check recommended.

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: a) 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 powernet449.mib on the Schneider Electric website, www.se.com).

Modbus Reference Guide

NOTE:

1. It is necessary to use Slave ID 2 to establish Modbus TCP communication.

Hash Signatures

Signatures	apc_hw21_eu3p_3-3-0-1.exe
CRC32	93BA9BD6
CRC64	AFBA69A90B9A510B
SHA-256	216B407192D472E9A6788F18E5297F1F0E43D7860703298B6118B627FAFE3516
SHA-1	F0F1EB7DFB98FDB2915D271663688FE500E5E458
BLAKE2sp	607E75752B98506539FDE1433AA2436042BB867120160404F6DA9C189721A534

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