

Network Management Card 2 (NMC 2) Firmware v7.2.0 for Symmetra® PX2 Release Notes

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The Symmetra PX2 application firmware v7.2.0 release notes apply to Symmetra® PX2 units with an integrated Network Management Card (AP9537)

Affected Revision Levels

Component	File	Details
APC Operating System	apc_hw05_aos_720.bin	Network Management Card Operating System & TCP/IP Stack for Hardware Platform.
PX2 Application	apc_hw05_px2_720.bin	Network Management Card 2 PX2 Application.

For details on upgrading the UPS Network Management Card 2 (NMC 2) 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 supports cards that have firmware version 3.X.X or higher and is for IPv4 only.

NOTE: In firmware version v6.8.0 and higher:

- The Device IP Configuration Utility only supports the discovery of unassigned devices.
- You cannot search for assigned devices already on the network using an IP range unless you enableSNMPv1 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 [Schneider Electric website](#).
2. In the search bar at the top of the page, type: *"Network Management Device IP Configuration Wizard Download"*
3. From the top navigation panel, go to **Software**.
4. From the list of available utilities, select: **Network Management Card Device IP Configuration Wizard Utility v5.0.4**.
5. Click the **Download** button to begin downloading the selected wizard.

New Features

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New Feature

Application Symmetra PX2 has been updated with the latest aos version 7.2.0.

Fixed Issues

Fixed Issue

There are no fixed issues in this release.

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 vulnerabilities have been addressed in this release: CWE-200: Information Exposure

- CWE-203: Information Exposure Through Discrepancy
RSA key exchange is disabled by default.

- CWE-523: Unprotected Transport of Credentials. Login pages do not use adequate measures to protect the username 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 cleartext in a communication channel that can be sniffed by unauthorized actors.

The user is now referenced as an index rather than the username
NMC/KrtUvuh39YtQmHbyua297g/usercfg.htm?user=2

- CWE-521: Weak Password Requirements

The old password is no longer accepted when changing a password.

- CWE-79 Improper Neutralization of Input During Web Page Generation (Cross-site Scripting).
URLs were properly cleared, terminated, and sanitized.

Known Issues

Known Issue

Entering incorrect password when creating a new user results in a reboot to recover.

Miscellaneous

Recovering from a Lost Password

See the [User Guide](#) on Schneider Electric website 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 FTP to retrieve config.ini from a configured NMC:

1. Open a connection to the NMC, using its IP Address:
ftp > open <ip_address>
2. Log on using the Administrator username 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 FTP.

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 codeE0033 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 [powernet446.mib](#) is available for download from the Schneider Electric website, www.se.com).

Hash Signatures

Signatures	apc_hw05_aos_720.bin
MD5	1c376d290ff6dcfcd231c02e351ab7c4
SHA-1	165ae9dda8215bacb70e3cf41a8d7460e73c1bf1
SHA-256	5fda1d256d42b3a5f627c9b859db7fe139df2ffa788f165611ac6e5aa69919cd

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990-9986J

08/2025