

Network Management Card 2 (NMC2) for InfraStruxure 150 kVA PDU with 84 Poles

Supported Products: PDPB150G6F

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Schneider Electric Network Management Device IP Configuration Wizard

The Network Management 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® 2000, Windows 2003, Windows Vista, Windows XP, Windows 7, Windows Server 2008, Windows Server 2016, Windows 8, Windows 10 and Windows 2012. This utility supports cards that have firmware version 3.X.X or higher and is for IPv4 only.

Note: In firmware version AOSv6.8.2 and higher:

The Network Management Device IP Configuration Wizard only supports the discovery of unassigned devices.

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 APC website at www.apc.com:

1. Go to www.apc.com/shop/tools/software-firmware and select **Wizards and Configurators** from the **Filter by Software/Firmware** drop-down list.
2. Click on the **Download** button to download the **Network Management Device IP Configuration Wizard**.

Affected Revision Levels

File	Detail
apc_hw05_aos_704.bin	Network Management Card Operating System & TCP/IP Stack
apc_hw05_x84p_704.bin	Application for InfraStruXure PDU for 150 kW 84 Pole Panel
powernet440.mib	PowerNet(R) SNMP Management Information Base (MIB)

For details on upgrading the network management card firmware, see the user's guide on the SE website (www.se.com).

AOS & TCP/IP Stack Modifications (apc_hw05_aos_704.bin)

Compatibility

apc_hw05_x84p_704.bin	Application for InfraStruXure PDU for 150 kW 84 Pole Panel
powernet440.mib	PowerNet(R) SNMP Management Information Base (MIB)

Security Notifications/Disclosure

Security Vulnerability Fixes:

- This release includes remediations for various vulnerabilities which include multiple cross-site scripting vulnerabilities, potential disclosure of non-sensitive data (debug file), and account manipulation by administrator-level or higher accounts.

Known Issues in This Version

1. SNMPv3 communication and monitoring on some third-party SNMP management tools such as ManageEngine OpManager does not work properly.
2. Modifying large groups of event actions by severity may cause an unexpected network interface restart.
3. Device and Read-only users get disabled after an upgrade from 5.x.x to 7.x.x f/w. This is due to the fact that the 5.x.x user database is completely different from the 7.x.x user database.

New Features and Enhancements

Version 7.0.4 includes the following updates:

1. The SSL self-signed certificate “Valid To” year has been changed from 2022 to 2035.
NOTE: If you are currently using an internally generated self-signed certificate and wish to extend its use past 2021, you will need to delete the current certificate and reboot the NMC to allow a new internally generated certificate with the “Valid To year of 2035 to be created.
2. Support added for creating users via the configuration file (config.ini). A set-only keyword has been added in the [SystemUserManager] section, “CreateUser”, which allows a user account to be added to the system.
NOTE: You cannot delete or edit a user via this method.
3. New DHCP option added in the Web UI and CLI to allow the user to determine if they want the NMC to retrieve the vendor-specific file again after subsequent DHCP leases are assigned.

Bugs Fixed in This Version

Addressed security vulnerabilities.

Application for InfraStruXure PDU for 150 kW 84 Pole Panel (apc_hw05_x84p_704.bin)

Compatibility

apc_hw05_aos_704.bin

Network management card OS & TCP/
IP Stack

powernet440.mib

PowerNet(R) SNMP Management
Information Base (MIB)

See AOS & TCP/IP Stack Modifications (apc_hw05_aos_704.bin), page 2 for a list of modifications and enhancements that affect this application version.

Known Issues in This Version

No new known issues in this release.

New Features and Enhancements

No new application features for the InfraStruXure PDU for 150 kW 84 Pole Panel in this release.

Bugs Fixed in This Version

Improved the performance of panel breaker status information in Power View.

Miscellaneous

Recovering From a LostPassword

See the User's Guide on the SE website (www.se.com) for instructions on how to recover from a lost password.

Event Support List

For the event names and event codes for all events supported for a currently connected APC device, first retrieve the Config.ini file from a configured network management card.

To use FTP to retrieve the Config.ini file from a configured network management card:

1. Open a connection to the network management card, using its IP Address:
ftp> open <ip_address>
2. Log on using the Super User/Administrator user name and password.
3. Retrieve the Config.ini file containing the settings of the network management card 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 code E0033 in the Config.ini file (for the event "System: Configuration change") is 0x0033.

Powernet MIB Reference Guide

NOTE: The MIB Reference Guide, available on the SE website (www.se.com), explains the structure of the MIB, types of OIDs, and the procedure for defining 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 powernet440.mib is available for download from the SE website, www.se.com).

HASH Signatures

The following are hash signatures for the upgrade utility web download:

MD5 Hash: 7c197ed7f63ddbc92ab714cd480f6352

SHA-1 Hash: 2e725570ed5dbcd823bc8aea55027b8c891d3fce

SHA-256 Hash:

a9a7df0ddeb8b6265fef81cbcc9c0c45673325f2d26ec571b39de3353cb98da6