Network Management Card 2 for GUTOR XXW/SDC

Supported products: PEW, PDW, WEW, WDW, SDC.

What's in This Document

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.

In firmware version AOS v6.8.2 and higher:

- The Network Management 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 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/tools/download. On the left side under **Filter by** in the **Software / Firmware** list select **Wizards and Configurators**.
2. Click on the **Download** button to download the **Network Management Device IP Configuration Wizard**.

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Affected Revision Levels

File	Details
apc_hw05_aos_696.bin	Network Management Card Operating System & TCP/IP Stack for Hardware Platform v05
apc_hw05_sxw_696.bin	GUTOR XXW/SDC Application
powernet436.mib	PowerNet(R) SNMP Management Information Base (MIB)

For details on upgrading the Network Management Card's firmware, contact your local Gutor service center https://www.se.com/ww/en/brands/gutor/gutor-service-centers.jsp or see the Gutor User Guide *Network Monitoring System* for the product type on the web page https://www.se.com/ww/en/brands/gutor/.

OS & TCP/IP Stack Modifications (apc_hw05_aos_696.bin)

Compatibility

File	Details
apc_hw05_sxw_696.bin	GUTOR XXW/SDC Application
powernet436.mib	PowerNet(R) SNMP Management Information Base (MIB)

Security Notifications/Disclosure

This release includes remediations for Ripple20 vulnerabilities:

CVE-2020-11896, CVE-2020-11898,

CVE-2020-11899, CVE-2020-11901,

CVE-2020-11902, CVE-2020-11904,

CVE-2020-11905, CVE-2020-11906,

CVE-2020-11907, CVE-2020-11909,

CVE-2020-11910, CVE-2020-11911,

CVE-2020-11912, CVE-2020-11913,

CVE-2020-11914

For more information see Schneider Electric/APC Bulletin:
https://www.se.com/ww/en/download/document/SEVD-2020-174-01/

Other security vulnerabilities addressed:
This release includes remediations in the network stack for multiple improper input validation vulnerabilities.

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.

New Features and Enhancements

No new application features in this release.

Bugs Fixed in This Version

1. Treck Vulnerabilities (Ripple20), see the section Security Notifications/ Disclosure, page 2.

GUTOR XXW/SDC Application (apc_hw05_sxw_696. bin)

Compatibility

File	Details
apc_hw05_aos_696.bin	Network Management Card Operating System & TCP/IP Stack for Hardware Platform v05
powernet436.mib	PowerNet(R) SNMP Management Information Base (MIB)

See OS & TCP/IP Stack Modifications (apc_hw05_aos_696.bin), page 2 for a list of modifications and enhancements that affect this application version.

Known Issues in This Version

1. Battery Temperature and Battery time left parameters show default values in Modbus when no battery is connected.
2. If the ‘device’ and ‘readonly’ users are never logged in AOS v5.x.x firmware, then their default password (which is gutor) is not retained sometimes after firmware upgrade. To mitigate this issue, suggested to try ‘apc’ as password. Note that this issue is only applicable for firmware upgrades from sumx 9.6.x application to sxw v6.8.0.

New Features and Enhancements

No new application features in this release.

Bugs Fixed in This Version

No new application fixes in this release.

Miscellaneous

Recovering From a Lost Password

For instructions see the Gutor User Guide *Network Monitoring System* for the product type on the web page https://www.se.com/ww/en/brands/gutor/.

Event Support List

For event names and event codes for all the events supported by a currently connected APC device, 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 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 the 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

The MIB Reference Guide, available on 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 powernet436.mib is available for download at www.se.com).

HASH Signatures

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

MD5 Hash	189992249c50165050bf7b3db9febc41
SHA-1 Hash	69ef5fa6ab32a11f100e07c414edbe23470ae7b1
SHA-256 Hash	2553eaf8d53e9ebc1e848f73093f9992e6c933b5122743fb34ee58dadd94c826