Network Management Card 2 for GUTOR XXW/SDC

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

What's in This Document

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® 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 AOS v6.8.2 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 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 http**s**.

The Wizard is available as a free download from the APC website at www.apc.com:

1. Go to www.apc.com/tools/download and select **Software Upgrades > Wizards and Configurators** from the **Filter by Software/Firmware** drop-down list.

2. Click **Submit** to view the list of utilities available for download.

3. Click on the **Download** button to download the **Device IP Configuration Wizard**.

As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

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Affected Revision Levels

File	Detail
apc_hw05_aos_682.bin	Network Management Card Operating System & TCP/IP Stack for Hardware Platform v05
apc_hw05_sxw_680.bin	GUTOR XXW/SDC Application
powernet431.mib	PowerNet(R) SNMP Management Information Base (MIB)

For details on upgrading the Network Management Card's firmware, see the User's Guide on the Utility CD or on the APC website (www.apc.com).

OS & TCP/IP Stack Modifications (apc_hw05_aos_682.bin)

Compatibility

apc_hw05_sxw_680.bin	GUTOR XXW/SDC Application
powernet431.mib	PowerNet(R) SNMP Management Information Base (MIB)

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. IPv6 connectivity outside of local subnet does not work in all environments.
3. Modifying large groups of event actions by severity may cause an unexpected network interface restart.

New Features and Enhancements

1. Security Updates: AOS v6.8.2 includes several security updates following new California State legislation (Senate Bill SB-327). These updates include:
   - The default Super User password must be changed at first log in to the NMC.
   - The Administrator, Device, Read-Only, and Network-Only user accounts are disabled by default, and cannot be enabled until the default Super User password is changed.
   - New Protocol Status Overview page in the Web UI, and banner in the Command Line Interface (CLI).
   - HTTPS and SSH are now the only protocols enabled by default.

   These changes will not affect existing customers upgrading to AOS v6.8.2. However, these changes will be the default settings for new customers, and existing customers running AOS v6.8.2 who reset the NMC to its default values. For more information on these changes, refer *https://apc.com/secure-nmc*. Alternatively refer the 'Network Management Card 2' user guide available on *https://apc.com*.
2. Remote Monitoring Service (RMS) complete removal.
3. Additional Modbus support for:
   a. Serial Modbus Baud Rates: 2400 & 38400.

    b. Configurable STOP Bits for Serial Modbus.

    c. Modbus TCP Communication Timeout (Never, 1 to 64800 secs).

Bugs Fixed in This Version

1. There is no longer a memory leak when requesting an SSL connection.

GUTOR XXW/SDC Application (apc_hw05_sxw_680.bin)

Compatibility

apc_hw05_aos_682.bin	Network Management Card OS & TCP/IP Stack
powernet431.mib	PowerNet(R) SNMP Management Information Base (MIB)

See *OS & TCP/IP Stack Modifications (apc_hw05_aos_682.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

This is the first release of SXW application. This application supports all standard features of Network Management Card 2 (AP9635). For more details, refer the Network Management Card 2 user guide available on *www.apc.com*. Note that EcoStruxureIT support is not yet available.

• In the Web UI, added the option to configure the Battery connection as Individual or Shared. This is only applicable to SDC model.

Bugs Fixed in This Version

None. First release of SXW application.

Miscellaneous

Recovering From a Lost Password

See the User's Guide on the Utility CD or on the APC website (www.apc.com) for instructions on how to recover from a lost password.

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

NOTE: The MIB Reference Guide, available on the Network Management Card CD and on the APC web (www.apc.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 powernet431.mib on the Network Management Card CD and also downloadable from the APC website, www.apc.com).

HASH Signatures

The following are hash signatures for the upgrade utility web download

MD5 Hash: 87a4038f035f3829b309875b6d82f2bf

SHA-1 Hash: edd9bf78ac3b059e93266dbf11d66a124ef00fde

SHA-256 Hash: 5b802be322ecd158800d7f29c41fbaac9ba3d7808db30f00cddd0fd1966a1b26