

Network Management Card for Battery Manager AP9922

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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 Server 2003, Windows Server 2012, and, on 32- and 64-bit versions of Windows Vista, Windows XP, Windows Server 2008, Windows 7, Windows 8, and Windows 10 operating systems. This utility supports cards that have firmware version 3.X.X or higher and is for IPv4 only. The Wizard is available as a free download from the APC web site 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**.

Affected Revision Levels

File	Detail
apc_hw05_aos_656.bin	Network Management Card Operating System & TCP/IP Stack for Hardware Platform v05
apc_hw05_bm4_656.bin	Battery Manager Application
powernet427.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 Web site (www.apc.com).

OS & TCP/IP Stack Modifications (apc_hw05_aos_656.bin)

Compatibility

apc_hw05_bm4_656.bin	Battery Manager
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Known Issues in This Version

1. SNMP traps are not sent if the SNMPv3 User Name is greater than 30 characters in length
2. No error message is shown for the led blink command in the Command Line Interface (CLI), and incorrectly reports E000: Success when an invalid parameter is entered
3. The dir command in the Command Line Interface (CLI), which does not accept parameters, reports E000: Success when a parameter is entered.

New Features and Enhancements

None.

Bugs Fixed in this Version

1. Improved overall system performance.
2. Browser cookies have been updated to improve session security.
3. An IP address can now successfully be assigned to the NMC using the Device IP Configuration Tool.
4. Access to the SNMPv3 interface through different Access Control profiles configured to use the same SNMPv3 User Profile is no longer dependent on the first configured profile in the list.

Battery Manager Application (apc_hw05_bm4_656.bin)

Compatibility

apc_hw05_aos_656.bin	Network Management Card OS & TCP/IP Stack
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See *OS & TCP/IP Stack Modifications (apc_hw05_aos_656.bin)*, page 2 for a list of modifications and enhancements that affect this application version.

Known Issues in This Version

1. The informational clearing alarm for "Batt-Man: Management Controller -Monitor relay stuck on unit 1" appears twice in the event log when the alarm condition clears.

2. Setting values under Battery Voltage Calibration display an error message when valid values are set.
3. While battery monitoring is suspended, individual battery and string voltages are still displayed through the SNMP interface which includes StruxureWare Data Center Expert, EcoStruxure IT, and StruxureWare Data Center Operations products.
4. "System Ambient temperature" and "System Pilot temperature" parameters shows the old temperature values when temperature sensor is disconnected.

New Features and Enhancements

None.

Bugs Fixed in this Version

1. Fixed an SNMPv3 communication issue affecting StruxureWare Data Center Expert, EcoStruxure IT, and any other third party SNMPv3 monitoring tools.

Miscellaneous

Recovering From a Lost Password

See the User's Guide on the Utility CD or on the APC Web site (www.apc.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 the Battery Manager.

To use FTP to retrieve the config.ini file from a configured Battery Manager:

1. Open a connection to the Battery Manager, 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 Battery Manager: 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 website (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 (powernet427.mib, downloadable from the website, (www.apc.com)).

HASH Signatures

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

MD5 Hash: 0f3bd384bb811dc6c512a760c210fb2e

SHA-1 Hash: d7f6abcd316852feb1344f6ef87bd56be389bf15

SHA-256 Hash:

b18fb282933edb5b060fb3fb40cf36a5d13c1f786082da4aee09ef79ad664c3f