

Rack PDU with Network Management Card 2

Release Notes for: AP7xxxB and AP8xxx series Rack Power Distribution Units and AP71xxB Inline Current Meters

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Affected Revision Levels

| Component | Version | Details |
|-----------------------|-------------------------|---|
| APC Operating System | apc_hw05_aos_708.bin | Network Management Card (NMC) Operating System & TCP/IP Stack for Hardware Platform v05 |
| rpdu2g Application | apc_hw05_rpdu2g_708.bin | Rack Power Distribution Unit Application |
| PowerNet® Application | powernet443.mib | PowerNet SNMP Management Information Base (MIB) |

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 website, 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 **Download** to download the **Network Management Device IP Configuration Wizard**.

New Features

APC Operating System (apc_hw05_aos_708.bin)

- **Addition of editing existing users via configuration file (config.ini).** Introduced a set-only keyword in the [SystemUserManager] section "ModifyUser" which allows an existing user account to be edited in the system.
- **HTTP Strict Transport Security.** An HTTP header used to redirect insecure HTTP requests to HTTPS version of the page. This is more secure than simply using a redirect, as it is not susceptible to man-in-the-middle attacks as it never uses an insecure HTTP channel.

rpd2g Application (apc_hw05_rpd2g_708.bin)

None.

Fixed Issues

APC Operating System (apc_hw05_aos_708.bin)

- You can now SCP a file in a directory.
- Downloading dump.txt, debug.txt and Debug.tar files via SCP now works.
- NTP command no longer gives a "command failed" output.
- The Boot CLI command now lists the -f current state.
- Hostnames which are three characters or less no longer prevent SSH from working.
- SNMP | 'Authentication and Privacy Passphrase has been entered incorrectly' message no longer shows twice in NMC UI.
- Event 0x0021 "Set Date or Time" is categorized under "System Events | Security".
- SSL3.0 and TLS1.0 options have been removed from the CLI.
- The CLI command "modbus -s" now returns an error code for invalid entries.
- Event 0x000C now triggers notifications and event log entries.
- Fixed an issue where SCP event log downloads were not complete even when the download screen said "100% complete."
- The User Management configuration page no longer shows red warnings before inputs have been entered.
- The LED Blink Duration field no longer accepts "0 minutes."
- The CLI command "ntp -u" now returns an error message when NTP is disabled.
- The CLI command "ntp -OM" now returns a message about whether manual NTP override is enabled or disabled.
- A firewall test can no longer be initiated from the CLI without specifying the time duration.
- Fixed an issue where user settings could not be edited in the Web UI if the user name had a white space at the end.
- The ECDHE enable/disable option has been added to the CryptographicAlgorithms section of the config.ini file.
- Password requirement settings have been added to the config.ini file.
- The correct event log message is displayed when invalid EAPoL values are uploaded via the config.ini file..
- Fixed an issue where files with underscores in the filename could not be deleted sometimes.
- The syslog server can now be edited and deleted when only IPv6 is enabled.
- Corrected the layout of the Firewall log page.
- The "user" CLI command can now be executed with all 12 parameters.
- Added an option in the CLI to cancel the disabling of the super user account.
- Users are no longer prevented from accessing the NMC via FTP/CLI after one incorrect login. Instead, the number of allowed incorrect attempts is determined by settings in the user interfaces.
- SNMP Traps can now be generated when the SNMP User Profile name is greater than 30 Characters.
- In the config.ini file, the "DSTConfiguration" field now correctly configure the custom DST end-time minutes value.
- The CLI command "userdfit" now returns an error code when reading the current field values.
- In the Web UI, the Primary and secondary DNS fields now allow enough characters to enter an IPv6 Address.
- The CLI command "ntp -e" allows the user to read the NTP Active state successfully.
- Syslog Mapping for Critical events are now displayed correctly in the config.ini file.

rpdu2g Application (apc_hw05_rpdu2g_708.bin)

Updated jQuery to latest version.

Known Issues

APC Operating System (apc_hw05_aos_708.bin)

None.

rpdu2g Application (apc_hw05_rpdu2g_708.bin)

None.

Miscellaneous

Recovering from a Lost Password

See the *User Guide* on the website, www.apc.com for instructions 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 by Schneider Electric device, first use FTP to retrieve the config.ini file from the Network Management Card:

1. Open a connection to the NMC, 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:

```
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

The MIB Reference Guide, available on www.apc.com, explains the structure of the MIB, types of OIDs, and the procedure for defining SNMP trap receivers. For information on specific OIDs, use an 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 `powernet443.mib` is downloadable from www.apc.com).

Hash Signatures

| |
|--|
| MD5 Hash: 041bcf779b9be4352bc2150d50a66cc0 |
| SHA-1 Hash: eedfc68660eb87c6c4eef618cc7d4837f914a018 |
| SHA-256 Hash: 49c03a590a86b3d2c126c657fedd1f4f52ff1ad6cb9eab6075e30b53d19db258 |