Release notes

990-9958P Release Date: 07/2024

Rack PDU
Network Management Card 2

Release Notes for: AP7•••B and AP8••• series Rack Power Distribution Units and AP71••B Inline Current Meters

What's in This Document

Affected Revision Levels

Component	Version	Details
APC Operating System	apc_hw05_aos_712.bin	Network Management Card(NMC) Operating System & TCP/IP Stack for Hardware Platform v05.
rpdu2g Application	apc_hw05_rpdu2g_714.bin	Rack Power Distribution Unit Application
PowerNet® Application	powernet454.mib or later	PowerNet SNMP Management Information Base (MIB)

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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_712.bin)
• You can now configure the port used for SNMPv1 or SNMPv3 traps. • HTTPS now uses TLS v1.2 for encryption. In previous firmware versions, HTTPS used TLS v1.1.
rpdu2g Application (apc_hw05_rpdu2g_714.bin)
• The rPDU LCD displays the "Alarm Status," to view the details of all the alarms present in the device. • MODBUS TCP feature added to enable communication over MODBUS TCP protocol.

Fixed Issues

APC Operating System (apc_hw05_aos_712.bin)
• Passwords and passphrases containing more than 20 characters can be pasted in the CLI when using SSH. • When you access the CLI with SSH, the default directory is shown after you sign in.
ATS Application (apc_hw05_rpdu2g_714.bin)
• The bank/phase threshold OIDs under legacy rPDU project on SNMP browser would show lesser resolution values only. • Outlet users can make configuration changes to all the assigned outlets using “Multiple outlet config” option. • Error messages are shown for invalid values, while all valid values for temperature and humidity are accepted. • Boundary values are accepted for event configuration if they within the range. • The alarm status for temperature and humidity has been removed from the "Temperature & Humidity Configuration" section.

Known Issues

APC Operating System (apc_hw05_aos_712.bin)
None
ATS Application (apc_hw05_rpdu2g_714.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 theconfig.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 powernet454.mib is downloadable from www.apc.com).

Hash Signatures

MD5	c6e6d8d56a0c1c2e8d65f7c26dcfd95d
SHA-1	4134109d9ad2f36d4ea3575291a929ed387730cd
SHA-256	48847d0da14bd54b8cfe3e4d423eb4ed5546612a7b4c695373515723c4e731bf