

American Power Conversion

AP9517MPHW03

[www.apc.com](http://www.apc.com)

Release Notes (990-3819.txt)

Released: November 7, 2008

Affected Revision Levels:

apc\_hw02\_aos\_361.bin Network Management Card Operating System &

TCP/IP Stack for Hardware Platform v02

apc\_hw03\_px2\_357.bin Network Management Card PX2 Application

powernet393.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](http://www.apc.com)).

APC Device IP Configuration Wizard v3.0.1

The Wizard is a Windows application designed specifically to remotely or serially configure the basic TCP/IP settings of Network Management Cards. The Wizard runs on Windows(R) 2000, Windows 2003, and Windows XP. The Wizard is available as a free download from the APC Web site and is on the Utility CD. On the Web site, search by part number SFDIPW301 to find the downloadable file.

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### 1.0 OS & TCP/IP Stack Modifications (apc\_hw02\_aos\_361.bin)

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#### 1.1 COMPATIBILITY

apc\_hw03\_px2\_357.bin Network Management Card PX2 Application

powernet393.mib      PowerNet(R) SNMP Management Information  
Base (MIB)

## 1.2 KNOWN ISSUES IN THIS VERSION

1. Reported Anomaly: "Reset to Defaults" does not change the baud rate to its default value of 2400 baud. Depending on the installed application, the serial baud rate may be specific to the attached device.

Disposition: No fix is planned for future releases.

2. Reported Anomaly: On the Web interface, when user tries to switch console modes (Telnet to SSH) and does not perform a logoff after switching modes, the user can no longer see the SSH disclaimer page when trying to switch modes again. However, the feature works fine when the user logs off after switching modes.

Disposition: A fix is planned for a future release.

3. Reported Anomaly: The Network Management Card warmstarts occasionally when the user constantly changes the SNMPV3 user profile for hours (around 6-8 hours). The warmstart seems to happen after one SNMPV3 user has an Authorization and Privacy password set and the user attempts to modify the second user profile.

Disposition: A fix is planned for a future release.

## 1.3 NEW FEATURES & ENHANCEMENTS SINCE AOS v3.6.1

1. Support for PowerNet MIB 3.9.3.

## 1.4 BUGS FIXED IN THIS VERSION SINCE AOS v3.6.1

### 1. Incorrect time zones were set on InfraStruXure Manager Private side

clients: The time zone ranges used on InfraStruXure Manager and time zone ranges used on the Network Management Card were different. These were not normalized and applied in the Network Management Card correctly, resulting in two possible occurrences:

(a) If the time zone on the Network Management Card was in the positive range (+1 to +12), then the time zone was reset to -12 and the clock was adjusted for the -12 time zone.

(b) If the time zone on the Network Management Card was in the negative range (-12 to -1), then the clock was decremented by -12 plus the difference between the two time zones (if the time zones were equal the clock was decremented by -12). Each time the card rebooted the time was decremented again.

Fix: Normalized incoming time zone values to bring them in line with what the Network Management Card expects. Added validation to the time zone calculation to check that a valid time zone was received before the clock is adjusted.

### 2. DNS Lookups for MX records were being mishandled and caused a stack failure when attempting to release memory buffers for the MX record names.

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## 2.0 Network Management Card PX2 Application (apc\_hw03\_px2\_357.bin)

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### 2.1 COMPATIBILITY

apc\_hw02\_aos\_361.bin Network Management Card OS & TCP/IP Stack

powernet393.mib      PowerNet(R) SNMP Management Information  
Base (MIB)

See OS & TCP/IP Stack Modifications (apc\_hw02\_aos\_361.bin) for a list of modifications and enhancements that affect this application version.

## 2.2 KNOWN ISSUES IN THIS VERSION

1. None

## 2.3 NEW FEATURES & ENHANCEMENTS

1. Support for Symmetra PX2 48KW (48KAIO) System.
2. Support for power distribution models with ground fault breakers.
3. Added external battery cabinet information to config INI file.
4. Improved UPS state determination to eliminate false error messages on SNMP.
5. Eliminate the possibility of a metering board lost communication when doing a metering board firmware upgrade.

## 2.4 BUGS FIXED IN THIS VERSION

1. Correct the limits for the number of input characters for sleep time.
2. Correct format for module total output power SNMP OID (isxModularDistModuleOutputTotalPower),
3. System mode alarm not working in ISX Manager when switch gear is set to "Other Mode".
4. Output relay does not trigger for "Lost Sensor Communication" alarm.
5. Removed alarm mapping for subfeeds for 48K AIO.

6. When in Secure mode the 48K AIO system does not respond to 'Sleep' command.
7. Don't respond to SNMP OIDS when switch gear mode is set to "Other" or None.
8. Corrected load alarm threshold values to support 48K AIO units.
9. Telnet and Web interface should not show subfeeds on the 48K AIO units.
10. Switch gear type should not be changeable in 48K AIO.
11. UPS advanced output KVA capacity OID (upsAdvOutputKVACapacity) returns incorrect value for 48K AIO.
12. Add error checking for temperature and humidity thresholds on PowerView.
13. Allow 0% for minimum current alarm on Power view.
14. Remove subfeed category in the datalog for the 48K AIO.
15. Remove environment section for alarm relay mapping if no temp/humidity probe was attached.
16. Some external Measure-UPS alarms are not reporting correctly on ISX Central.
17. Fixed module breaker cable number OID (IsxModularDistModuleBreakerCableNum).
18. OIDs for subfeed loading need to be suppressed for 48K AIO.
19. Add missing information such as PowerChute settings, Synchronous Control Group (SCG) settings and Scheduling settings in config.ini file.
20. Change in date/time setting on the display does not set the date and time on UPS.
21. Load alarm values are not showing properly in SNMP for 48K AIO system.
22. Power View diagnostic screen shows incorrect values for module location for 48K AIO system.
23. Correct raw status data on Web interface for 48K AIO.
24. Designed proper support for power distribution model with three phase breakers.
25. Bypass breaker (Q5) state incorrect on web interface.
26. External Battery Cabinet Amp Hours setting accepts negative characters on Web UI.
28. PCNS receives false on-battery alarms due to a self-test.
29. Severity of Maintenance Bypass alarm should be consistent on all interfaces.

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3.0 APC Device IP Configuration Wizard v3.0.1

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### 3.1 COMPATIBILITY

AP9617/AP9618/AP9619 apc\_hw02\_aos\_361.bin and prior Network Management Card OS & TCP/IP Stack

### 3.2 KNOWN ISSUES IN THIS VERSION

1. Reported Anomaly: The installation process, help document and the Device IP Configuration Wizard has some minor aesthetic issues.  
Disposition: A fix is planned for a future release.

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## 4.0 Miscellaneous

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### 4.1 Recovering from a Lost Password

See the User's Guide on the Utility CD or on the APC Web site ([www.apc.com](http://www.apc.com)) for instructions on how to recover from a lost password.

### 4.2 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 attached Network Management Card. To use FTP to retrieve config.ini 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 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.

#### 4.3 PowerNet MIB Reference Guide

NOTE: The MIB Reference Guide, available on the Network Management Card CD and on the APC Web site ([www.apc.com](http://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 `powernet393.mib` on the Network



Management Card CD and also downloadable from the APC Web site,  
[www.apc.com](http://www.apc.com)).