

Revised: March 2018

Affected Revision Levels:

apc_hw06_aos_656. bin	Network Management Card Operating System & TCP/IP Stack for Hardware Platform v06
apc_hw06_eb2g_651. bin	EB2G Application for Air Economizer
powernet424. mi b	PowerNet(R) SNMP Management Information Base (MIB)

For details on upgrading the EcoFlair firmware, see the User's Guide on the Schneider Electric Web site, www.schneider-electric.com or www.apc.com.

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1.0 OS & TCP/IP Stack Modifications (apc_hw06_aos_656. bin)

1.1 COMPATIBILITY

apc_hw06_eb2g_651. bin EcoFlair Application for IAEC25/50

1.2 KNOWN ISSUES IN THIS VERSION

- 1. The NMC Upgrade utility supports ASCII characters only for username and password. (RTWOCORE-1509)
- 2. Non-ASCII characters conveyed to an ISX Manager will not display properly in ISXM.

3. The following fields do not accept UTF-8 characters (they accept ASCII only):
 - any numeric field (only Arabic numbers are accepted)
 - the Datalog FTP Server name.
4. The following warning events do NOT cause the Network Management Card to send an SNMP trap:
 - System: Detected an unauthorized user attempting to access the FTP interface.
 - System: Password Changed (RTWOCORE-1513)
5. In the Web interface, the Primary and Secondary RADIUS servers accept invalid IP address values. (RTWOCORE-1533)
6. In the Config.ini: the SystemDateTime Server keys return strange values when long strings are applied. (RTWOCORE-1542)
7. There are different Date Formats on the NMC General/About page. (RTWOCORE-1537)
8. The Config.ini keywords "LinkDisplay" and "LinkName" in the [SystemLinks] section accept a NULL value. (RTWOCORE-1523)
9. The Trap receiver NMS settings incorrectly allow for a NULL entry. (RTWOCORE-1522)
10. The SNMP v1 and v3 Community Access Addresses incorrectly allow for a NULL entry. (RTWOCORE-1521)
11. The SNMP v1 Trap Community Name incorrectly accepts values greater than the max of 15 and NULL. (RTWOCORE-1520)
12. The Syslog Server address incorrectly accepts a NULL entry. (RTWOCORE-1519)
13. Various phrase translations are missing or incorrect.

1.3 NEW FEATURES & ENHANCEMENTS

1. Addition of Boot Monitor version in essential SNMP table.
2. Treck (network) stack upgrade supporting enhanced secure mail (TLS 1.1/1.2).
3. Network Management Card Security Center added.

1.4 BUGS FIXED IN THIS VERSION

1. Fixed slow network response.
 2. Fixed Network Management Card memory leaks that caused reboot if SNMPv3 traps are enabled and at least one active alarm is present.
 3. Fixed various Data Center Expert communication issues.
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2.0 EcoFlair Application for IAEC25/50 (apc_hw06_eb2g_651.bin)

2.1 COMPATIBILITY

apc_hw06_aos_656.bin Network Management Card OS & TCP/IP Stack

See 1.0 OS & TCP/IP Stack Modifications (apc_hw06_aos_656.bin) for a list of modifications and enhancements that affect this application version.

2.2 KNOWN ISSUES IN THIS VERSION

None

2.3 NEW FEATURES & ENHANCEMENTS

added basin water level raw/calibrated/calibration command data items on maintenance touch screen page

2.4 BUGS FIXED IN THIS VERSION

fixed a bug on text title in pop up box

3.0 Schneider Electric Device IP Configuration Wizard v5.0.2

The Wizard is a Windows application designed specifically to remotely configure the basic TCP/IP settings of Network Management Cards. The Wizard runs on Windows(R) 2000, Windows 2003, Windows Vista, Windows XP, Windows 7, Windows Server 2008, Windows 8 and Windows 2012.

The Wizard is available as a free download from the Schneider Electric Web site, www.schneider-electric.com or www.apc.com. On the Web site, select 'Software Upgrades - Wizards and Configurators' from the 'Filter by Software/Firmware' drop-down list and click 'Submit' to view the list of utilities available for download. Click on the 'Download' button to download the 'Device IP Configuration Wizard'.

3.1 COMPATIBILITY

This utility supports cards that have firmware version 3.0.x or higher and is for IPv4 only.

4.0 Miscellaneous

4.1 Recovering from a Lost Password

See the User's Guide on the Schneider Electric web site, www.schneider-electric.com or 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 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 InRow RC firmware.

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 Schneider Electric Web site, 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 powernet424.mib on the Network Management Card CD and also downloadable from the Schneider Electric Web site).

4.4 Updating Touchscreen Display Font Files

Customers wishing to use the Chinese language translations will have to upgrade the font files used to generate the characters. This can only be done using a USB flash drive through the USB port on the front of the touchscreen display. The instructions are as follows:

Before starting the transfer, make sure the USB drive is formatted in FAT32.

1. Download the firmware upgrade files and unzip them.
2. Create a folder named apcfirm on the USB flash drive.
3. Place the extracted module files apc_hw06_tsfonts4i1_604.bin and apc_hw06_tsfonts4i2_604.bin in the apcfirm directory.
4. Use a text editor to create a file named upload.rcf. (The file extension must be .rcf, not .txt for example.)
5. In upload.rcf, add the following lines to the file:
FONT1=apc_hw06_tsfonts4i1_604.bin
FONT2=apc_hw06_tsfonts4i2_604.bin
6. Place upload.rcf in the apcfirm folder on the flash drive.
7. Insert the flash drive into a USB port on your cooling unit.
8. Press the Display Reset button and wait for the card to reboot fully.
9. Remove the USB drive from the touchscreen display.

4.5 MD5 and SHA-1 Hash Signatures

MD5 Hash: 0359857267d7d5617a92789c35f62c63

SHA-1 Hash: ba5c2d4e64f9dbd7a69974bc8b740fe2a7e96a03

990-91160/06MC014@0B0110

SHA-256 Hash: a6f80dc49c1d588acc48f64c4ca45a8edb9025072f5b8dbf62d62acecb3c5fec

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