

InRow® DX—ACRD300 Series

For details on upgrading the InRow DX air conditioner firmware, see the *InRow RD Online Guide*, available from the InRow RD product page of the Schneider Electric Web site, www.schneider-electric.com or www.apc.com.

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1.0 Affected Revision Levels

apc_hw06_aos_664.bin	Network Management Card Operating System & TCP/IP Stack for Hardware Platform v06
apc_hw06_rd3xx_664.bin	ACRD300 Application for InRow DX Air Conditioners
powernet428.mib or later	PowerNet SNMP Management Information Base (MIB)
990-5987*.xls	Modbus Register Map

2.0 OS & TCP/IP Stack Modifications(apc_hw06_aos_664.bin)

2.1 Compatibility

apc_hw06_rd3xx_664.bin

InRow ACRD300 Application for
ACCU30000 Series

2.2 Known Issues in This Version

1. SNMP Traps: Traps are not generated when SNMP User Profile is greater than 30 characters.
2. LEDBlink CLI command accepts invalid parameters.
3. LEDBlink command does not return parameter error when invalid parameters used.
4. Sync via Network: Enabled via Network feature cannot be enabled via web after disable the feature via INI interface.

2.3 New Features and Enhancements

1. BACnet official certification

2.4 Bugs Fixed in This Version

1. NMC Security Wizard bug fix for "-32 Bad Data" with non-default template MS CAs
2. NMC Security Wizard CLI utility (updated tool with CLI-only interface and security enhancements)
3. ROBOT vulnerability fix (Web page to let users select active cipher suites)
4. White screen improved fix to handle additional amount of cookies passed to the NMC from the browser

3.0 InRow RD300 Application (apc_hw06_rd3xx_664.bin)

3.1 Hardware Compatibility

No incompatibilities

3.2 Firmware Compatibility

apc_hw06_aos_664.bin	Network Management Card Operating System & TCP/IP Stack
	See 1.0 OS & TCP/IP Stack Modifications (apc_hw06_aos_664.bin) for a list of modifications and enhancements that affect this application version.
rd3xx_664_zhCn.lpk	Chinese Language Pack
RD3xx_R2_v0.0.16.bin	J5 R2 Controller
dsPIC1_v2.36.0.bin	J5 PIC1
dsPIC2_v2.29.0.bin	J5 PIC2

3.3 Known Issues in This Version

No known issues

3.4 New Features and Enhancements

This is the initial release of the product.

3.5 Bugs Fixed in This Version

This is the initial release of the product.

4.0 Device IP Configuration Wizard

The Device IP Configuration Wizard is a Windows-based application designed specifically to remotely configure the basic TCP/IP settings of Network Management Cards. The Wizard runs on Windows® 2000, Windows 2003, Windows Vista, Windows XP, Windows 7, Windows Server 2008, Windows Server 2016, Windows 8, Windows 10, and Windows 2012. 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 American Power Conversion Web site (www.apc.com/tools/download).

1. On the Web site, 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.

4.1 Compatibility

4.2 Known Issues in This Version

None

5.0 Miscellaneous

5.1 Recovering From a Lost Password

See the *Online Guide*, available from the unit product page on the Schneider Electric Web site (www.schneider-electric.com or www.apc.com), for instructions on how to recover from a lost password.

5.2 PowerNet MIB Reference Guide

The MIB Reference Guide, available on the Schneider Electric Web site (www.schneider-electric.com or www.apc.com), explains the structure of the MIB, types of OIDs, trap severity levels, 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 also view the definitions of traps at the end of the MIB (the file with the .mib extension listed in section 3.2, available on the Schneider Electric Web site (www.schneider-electric.com or www.apc.com)).

5.3 Event Support List

For the event names and event codes for all events supported for a device, first retrieve the config.ini file. To use FTP retrieve config.ini, perform the following:

1. Open a connection to the device 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 device.

```
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 display interface and in the documentation. For example, the hexadecimal code for the code E0033 in the config.ini file is 0x0033.

5.4 MD5, SHA-1, and SHA-256 Hash Signatures

MD5 Hash: 4be604bce77727997037202639b5cc1b

SHA-1 Hash: 346a9a5617550532c2fa9e7acc07ce4d6138836e

SHA-256 Hash:

3d5b7502a3825a303287f8beb49038c8292fc5b976e925ca10b77b28240bd986

5.5 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 though 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.
5. Use a text editor to create a file named `upload.rcf`. (The file extension must be `.rcf`, not `.txt` for example.)
6. In `upload.rcf`, add the following lines to the file:
`FONT1=apc_hw06_tsfonts4i1_604.bin`
`FONT2=apc_hw06_tsfonts4i2_604.bin`
7. Place `upload.rcf` in the `apcfirm` folder on the flash drive.
8. Insert the flash drive into the USB port on the cooling unit display interface.
9. Press the Display Reset button and wait for the card to reboot fully.
10. Remove the USB drive from the display interface.