Appendix E: Updating MiniOS7 and firmware

In following situations, we release the new version firmware and MiniOS7 image.

- Supporting new I/O modules
- Adding new functions
- Fixing bugs

The tool to update firmware and MiniOS7 image is MiniOS7 Utility.



File location of MiniOS7 Utility CD:\Napdos\MiniOS7\Utility\MiniOS7_Utility\MiniOS7_Utility.exe or ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/minios7/utility/minios7_utility/

E.1 Access the controller

Please follow the steps to do the updating procedure.

- Step1: Install MiniOS7 Utility
- Step2: Use CA-0915 to connect 8430/8830/8KE4/8KE8 to COM1/2 of the host PC.
- Step3: Short Init* and Init*COM.
- **Step4**: Power off and then power on the 8KE4/8KE8. The CPU doesn't run the autoexec.bat while power on stage.



Step5: Run MiniOS7 Utility



Step6: Select the COM port of the host PC.

MusiOS7 utility V1.0.03	
S	🧶 📩 🤗 🏊
	Select Dialog
DATA (VS60) (D:)	ComPort Baud Bate
Name	
8K232.EXE	
42 66	Confirm INIT* and GND together!! and power on again!!
	OK Cancel

After opening the COM port, the MiniOS7 Utility will show information as below:

- 1. MiniOS7 image version of the 8430/8830/8KE4/8KE8.
- 2. Files in the Flash ROM

Mini057 utility ¥1.0.05	? <u>-</u> ×
Update MiniOS Configuration Delete All Rt Flash ROM	e
 & ≥ # 	Pitter Pi
Software (F:)	DS7\A About
Name Size Type Mod Name Image: Size 1KB MS-DOS Bat 10/1 Image: Size	Size Date Time 205.1KB 19/19/2004 16:23:13 1 16 10/18/2004 17:24:11
	rmation i42 available spaces
F:\DCON\8430_8830\F1rmware\for_512K_sram\A3.02	
(Com1,baudrate=115200) Module:I-8	MiniOS7 Version:2.00.001 [Mar/30/2004]

E.2 Update MiniOS7 image

After setup MiniOS7 Utility and initial the 8430/8830/8KE4/8KE8. Please follow the steps to do the updating MiniOS7 image.



Step1: Click Update MiniOS and select the file to update MiniOS7.

8430/8830: CD:\Napdos\DCON\8430_8830\OS_Image\40MHz\8K040330.img) ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/dcon/8430_8830/os_image/40mhz/8k040330.img

8KE4/8KE8: : CD:\Napdos\DCON\8KE4_8KE8\OS_Image\8e040420.img) ftp://ftp.icpdas.com.tw/pub/cd/8000cd/napdos/dcon/8ke4_8ke8/os_image/8e040420.img



	(1)
	1.3

Note: 8430/8830 use different OS image from 8KE4/8KE8.

(

For 8430/8830 the OS image is for 40MHz used and file name: **8K040330.img** For 8KE4/8KE8 the OS image is for 80MHz used and file name: **8e040420.img**

E.3 Download firmware

Please follow the steps to download the firmware to the Flash ROM.

Step1: Delete all files in the Flash ROM.

Step2: Select the firmware files and autoexec.bat and click \ge to download the files into the Flash ROM



Step3: Disconnect Init* and Init*COM



Step4: Run the firmware

Method 1: Power off and then power on the 8430/88308KE4/8KE8. The CPU will run the autoexec.bat in the Flash ROM.



Method 2: Click Run to run the firmware.