I-8000 / IP-8000 Series OS Image Update Warnings

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Note #1 : OS Image Table.

The following table shows the Model and its released OS image,

Please make sure the OS image is correct before update.

Model	CPU Type	Released OS image	Path
I-8410,I-8810, I-8411,I-8811	40 MHz	8000-YYYYMMDD.IMG	CD:\Napdos\DCON\8410_8810\OS_Image\40mhz http://ftp.icpdas.com/pub/cd/8000cd/napdos/dcon/8410_8810/os_image/40mhz/
I-8430,I-8830, I-8431,I-8831, I-8431-MTCP, I-8831-MTCP	40 MHz	8000_UDP_YYYYMMDD.IMG	CD:\Napdos\DCON\8430_8830\OS_Image\40MHz http://ftp.icpdas.com/pub/cd/8000cd/napdos/dcon/8430_8830/os_image/40mhz/
I-8431-80, I-8831-80, I-8431-80-MTCP, I-8831-80-MTCP,	80 MHz	C836_UDP-YYYYMMDD.img	CD:\Napdos\DCON\8430_8830\OS_Image\80MHz http://ftp.icpdas.com/pub/cd/8000cd/napdos/dcon/8430_8830/os_image/80mhz/
I-8KE4-G, I-8KE8-G, I-8KE4-MTCP-G, I-8KE8-MTCP-G	80 MHz	C836_UDP-YYYYMMDD.img	CD:\Napdos\DCON\8KE4_8KE8\OS_Image\ http://ftp.icpdas.com/pub/cd/8000cd/napdos/dcon/8430_8830/os_image/80mhz/
IP-8411,IP-8811, IP-8441,IP-8841, IP-8441-MTCP, IP-8841-MTCP, IP-8411-MRTU, IP-8811-MRTU	80 MHz	C837_2M_UDP-YYYYMMDD.img	CD:\Napdos\DCON\iP_8441_8841\OS_Image http://ftp.icpdas.com/pub/cd/8000cd/napdos/dcon/ip_8441_8841/OS_Image/
ET-87P4, ET-87P8, ET-87P4-MTCP, ET-87P8-MTCP, ET-8KP4-MTCP, ET-8KP8-MTCP	80 MHz	Refer to **Appendix A**	

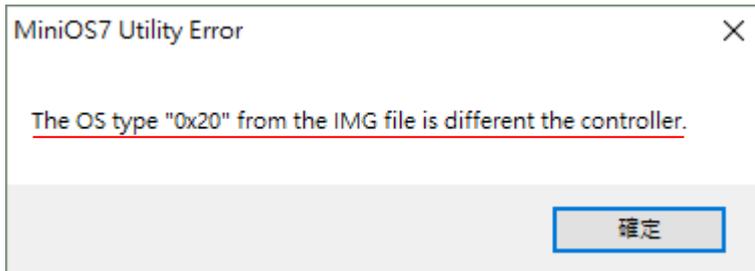YYYYMMDD : The build date.

Note #2 : Warning messages.

The warning messages showed while the OS image is not match with the CPU.

The following photos are the warning messages for each update tools.
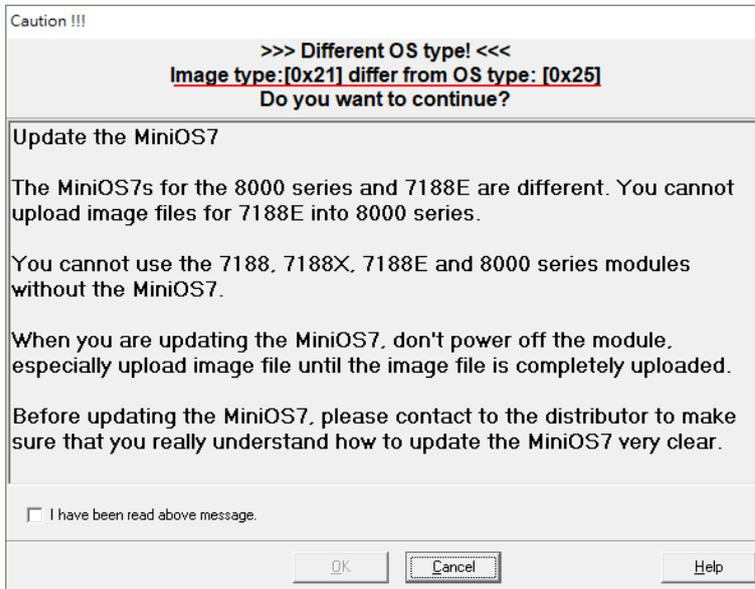
When those message boxes showed, it means the IMG file is not right.

Please check the OS image table to get the right IMG file.

MiniOS7 Utility ver. 4.4 or later:

MiniOS7 Utility ver. 3.27 or earlier:

Don't Agree!!

7188xw:

Note #3 : How to check the "updating" finished.

The updating process can be divided into two phases.

Phase I : upload IMG file.

Phase II : write file to flash, this writing action will take about 20 seconds,

If turn off the power during the writing,

It will cause the update to fail and the BIOS is incomplete.

So the host will not be able to boot any more.

To tell the update finished or not, user can check the 7-segment LEDs.

To upload IMG file to the host, the host most be boot in INIT mode

(connect INIT* pin and INIT*COM pin together and turn on the power).

The 7-segment LEDs will show the counter(plus 1 for each second).

When the update goes into **Phase I,** the counting will hold still for few second.

Once the upload finished, the counting will be continue.

And the update goes into **Phase II,** the counting will also hold still.

After the writing finished, the counting will be start all over or continue.

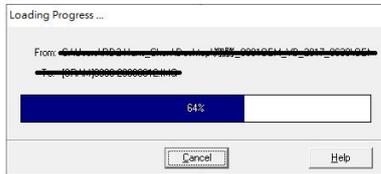User can check the counting action to tell the update finished or not.

The following pictures show the splits of the update process with MiniOS7 Utility.exe
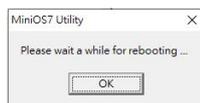

-->Turn on the Power-->

Connect INIT* and INIT*COM together

Start counting

Upload ING file by thought MiniOS7 Utility.exe

Loading Progress ...

64%

Cancel   Help

Display of 7-segment hold still

Upload finisged.
Start to write flash.

MiniOS7 Utility
Please wait a while for rebooting ...
OK

Hold still

After the writing finished the host will reboot itself,so the countering will start all over. So far, the Update finished.
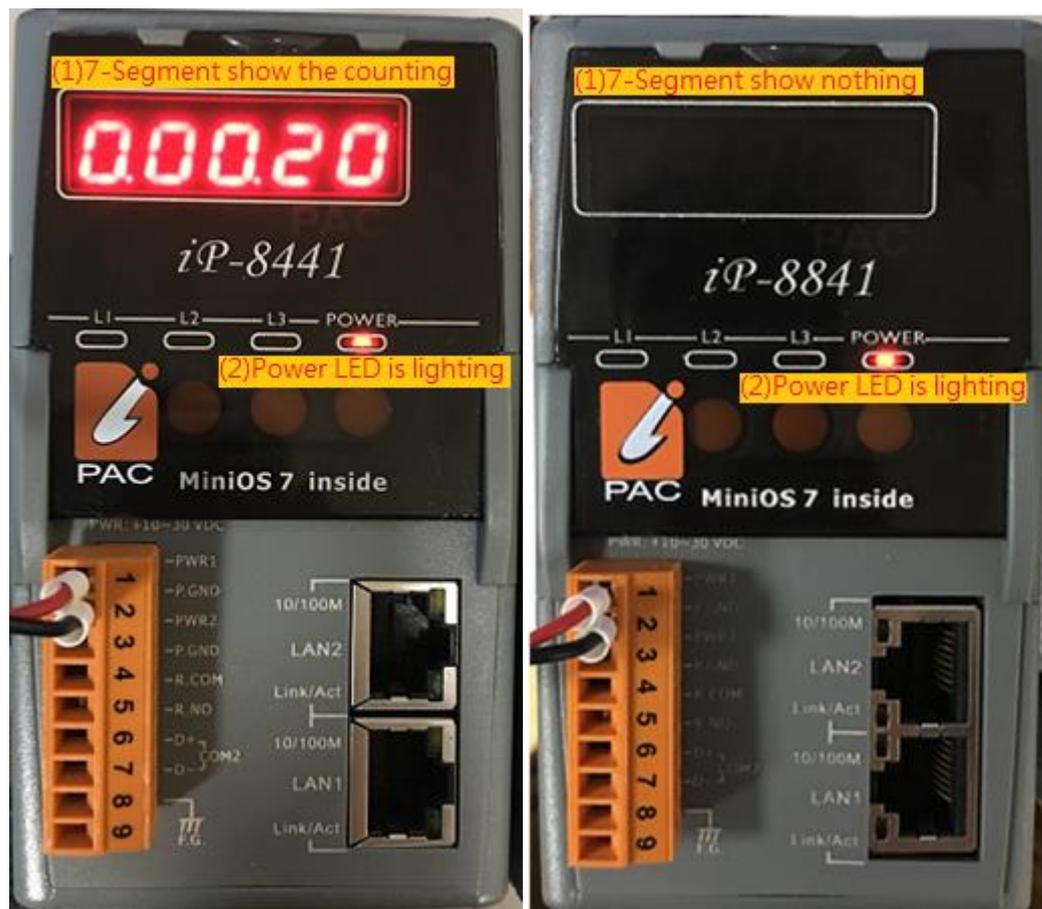
Reboot

-->

Start all over

Note #4 : How to check the host won't work.

Reboot the controller after updated,

If the updating succeeded, the Power LED will lighting and 7-Segment will show the counting.

If failed, the Power LED will still lighting but the 7-Segment will show nothing.

Note #5 : Error handling

If unfortunately the update failed and the host won't work.

There are two ways to solve this situation.

(1) Send back to us, we will rework it.

Please contact with us, we will have a sales to deal with the rest dealings.

(2) Send IC chip to you, so you can replace the IC chip.

To replace IC chip, you will need prepare the welding tools like "Welding torch"..etc,

Then contact with us and tell us the type of IC chip and series number..etc,

There will be a sales to deal with the rest dealings.

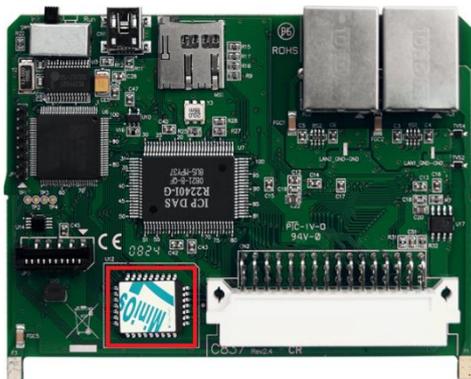To tell the type of the IC chip, please read the Description below,

There are two different types of flash on CPU, as below:

Type 1:

This type of IC can be plug out and replace easily, no need welding work.

Type 2:

To replace this type of IC, it will need some welding work.

Appendix A

There is the same CPU board in the ET-87P4, ET-87P8, ET-87P4-MTCP, ET-87P8-MTCP, ET-8KP4-MTCP and ET-8KP8-MTCP.

User needs to distinguish the PCB version of the CPU board to update the OS image.

The PCB Version can be found on the CPU board,

Please plug the CPU board out the backplane,

And the version will showed at the bottom of the CPU, like below photos.

Please refer to the following table to get the OS image file,

CPU PCB version	Released OS image	Path
V2.80 or early	C837_2M_UDP-YYYYMMDD.img	CD:\Napdos\87pn_io_unit\ET-87Pn\OS_Image http://ftp.icpdas.com/pub/cd/8000cd/napdos/87pn_io_unit/ET-87Pn/OS_Image/
V2.80 or later	C837A_YYYYMMDD.img	