

AS5610-52X CPLD Upgrade Instruction

Please setup TFTP server, and copy the CPLD updater file to the server.

1. Upgrade CPLD:

Enter uboot,

```
LOADER=> run onie_rescue
```

Then you will enter ONIE. Setup ONIE IP address and run update_url. Assume your ONIE IP address is 192.168.3.1 and TFTP server is 192.168.3.123.

```
ONIE:/ # ifconfig eth0 192.168.3.1 netmask 255.255.255.0
ONIE:/ # update_url
tftp://192.168.3.123/AS5610-52X_CPLD_v007_20160905.updater
discover: Rescue mode detected. No discover stopped.
Info: Fetching
tftp://192.168.3.123/AS5610-52X_CPLD_v007_20160905.updater ...
AS5610-52X_CPLD_v007 100% |*****| 35506
0:00:00 ETA
ONIE: Executing installer:
tftp://192.168.3.123/AS5610-52X_CPLD_v007_20160905.updater
Verifying image checksum ... OK.
Preparing image archive ... OK.
Firmware: Architecture : powerpc
Firmware: Machine      : accton_as5610_52x
Firmware: Machine Rev  : 0
Firmware: Type         : CPLD
Firmware: Version      : 09.06.17.14
Firmware: Build Date   : 2016-09-06T17:14+0800
=== MAIN firmware.bin ===

4A 41 4D 01 00 00 00 44 00 00 00 8C 00 00 02 87
00 00 0C 62 00 00 0D A4 00 00 0E 0C 00 00 1C E0
00 00 5E 75 00 00 C5 2D 00 00 C5 2D 00 00 06 A9
Update CPLD code from memory buffer 0x1025c070, filesize=0xC52F
```

```
CFG.TCK_SETUP=5
CFG.TCK_HOLD=5
CFG.DO_REAL_TIME_ISP=1
```

```
Expected CRC: 0x0002
Calculated CRC: 0x0002
-->
```

```
Device #1 Silicon ID is ALTERA04(00)
erasing MAXII device(s)...
erasing MAXII CFM block...
programming CFM block...
verifying CFM block...
```

```
DONE
```

```
<--
```

```
Function returned success
exec_result: 0, exit code: 0; file format version: 2
Clock Count=339664
spend_time=9s
```

```
*** Need to do power cycle manually to apply the change ***
```

```
Failure: Unable to install image:
```

```
tftp://192.168.3.123/AS5610-52X_CPLD_v007_20160905.updater Please  
skip this error message.
```

You will have to power off and on the system (not software reboot) to make the new CPLD version take effect.

2. Check CPLD version

After system boot up, you can check CPLD version under uboot.

```
LOADER=> md.b 0xea000009 0x01
```

```
ea000009: 07 . In this example, 07 is the CPLD version
```

```
LOADER=> <INTERRUPT>
```

```
LOADER=> <INTERRUPT>
```

```
LOADER=>
```