

EFCO Technology

Application Note

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| Document Name | AN2_Eagle Eyes_AI Controller FW update |
| Applicable Products | All Eagle Eyes series |
| Application Note Subject | AI Controller FW update |
| Usage Designation | <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External |

Preface

Revision History

| Revision | Date | Author | Description |
|----------|------------|--------|---------------------|
| 1.0 | 2019/06/12 | J Yen | Preliminary release |
| 1.1 | 2020/04/29 | J Yen | Update step photo |
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Warnings, Cautions and Notes

Warning! Warnings indicate conditions, which if not observed, can cause personal injury!



Caution! Cautions are included to help you avoid damaging hardware or losing data.



Note! Notes provide optional additional information.



Title

How to update AIC FW?

Answer

Step1: Creating a Bootable USB drive with UEFI Shell.

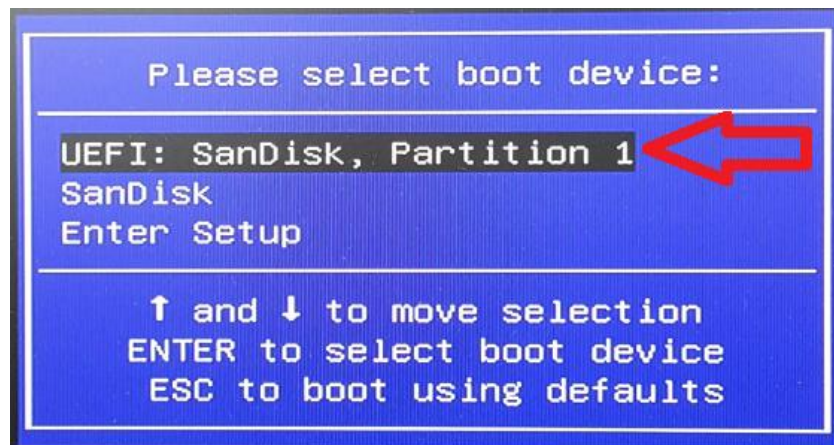
- (1) Format your USB drive as FAT32 in Windows OS.
- (2) Copy **/EFI/BOOT/BOOTX64.efi** full path to the USB drive root directory.
(Visit EFCOtec website or contact your support for correct revision.)

****Note: make sure the revision matched****

```
Shell> ver
EFI Specification Revision : 2.70
EFI Vendor                : American Megatrends
EFI Revision              : 5.12
```

Step2: download or ask your support contact from EFCOtec to receive the AIC source file. Copy the entire source file folder into USB drive root directory.

Step3: Boot to shell mode with the prepared USB drive. (Pressed 'F7' key to select shell during system booting)



Step4: Check the USB boot device name.

```
fs1 :Removable HardDisk - Alias hd6n0b blk1
PCIRoot(0x0)/PCI(0x14,0x0)/USB(0xD,0x0)/HD(1,MBR,0x20204E41,0x3F,0x743FFC1)
```

Step5: Type the device name at shell command. (e.g. fs0:)

```
Shell> fs0:
```

Step6: Change directory to source file folder, (e.g. cd AIC1.04)

```
fs0:\> cd aicfw
fs0:\AICFW> cd 1.04
```

Step7: Enter “LS” command to check all file. Totally need 8 files, the files list below it.

```
fs0:\AICFW\1.04> ls
Directory of: fs0:\AICFW\1.04

    04/08/20   02:46p <DIR>           4,096 .
    04/08/20   02:46p <DIR>           4,096 ..
    05/31/19   03:30p                26,976 AICFlash.efi
    09/03/19   01:31p                61,539 APP.bin
    04/18/19   05:28p                 8,192 BOOT.bin
    04/16/19   11:23a                 615  UPDapp.nsh
    04/16/19   11:23a                 619  UPDboot.nsh
    12/30/19   03:35p                 342  readme.txt
    12/30/19   03:48p                 268  readme_chs.txt
    12/30/19   03:46p                 272  readme_cht.txt
            8 File(s)          98,823 bytes
            2 Dir(s)
```

Step7: Enter “updapp” to execute update command.

```
fs0:\AICFW\1.04> updapp
AICFlash Version 1.5 (c) ENBIK Ltd. Co. 2019
Flash Progress Bytes: 00000000 [100%]
Successfully downloaded to device.
```

Caution! If the AIC FW of the machine is before ver. 1.00, please go to STEP 8. If not, you can ignore STEP 8 then go to STEP 9.



Step8: Enter “updboot” to execute update command.

```
fs0:\AICFW\1.04> updboot
AICFlash Version 1.5 (c) ENBIK Ltd. Co. 2019
Flash Progress Bytes: 00000000 [100%]
Successfully downloaded to device.
```

Step9: When update finish, please remove the AC Adaptor or power supply. And wait a few seconds before reboot the system.

Step9: Power on the system and pressed 'Del' key into the BIOS mode. Select "AIC" page and check the AIC FW update completed. (e.g. cd AIC1.04)

