EFCO Technology

Application Note

Document Name	AN8_Eagle Eyes BIOS update
Applicable Products	All Eagle Eyes series
Application Note Subject	BIOS update
Usage Designation	□ Internal ■ External

Preface

Revision History

Revision	Date	Author	Description
1.0	2020/09/11	J Yen	Preliminary release
1.1	2020/02/02	J Yen	

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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 Eagle Eyes series BIOS?

Answer

Step 1: Check current BIOS version. (e.g., current BIOS version is "1.10")
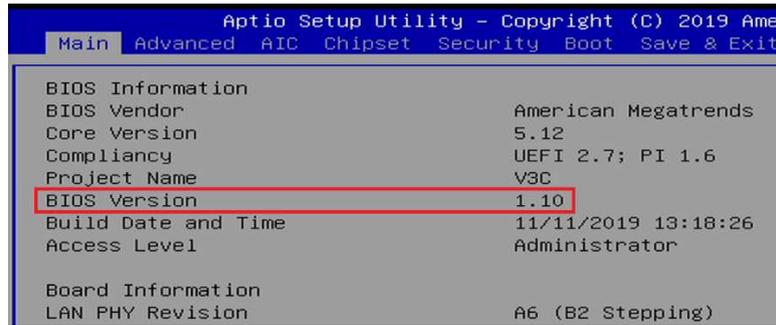
Step 2: Unzip the BIOS file then copy all files into one USB disk.

(e.g., BIOS file is "V3C-1.20.bin.7z)
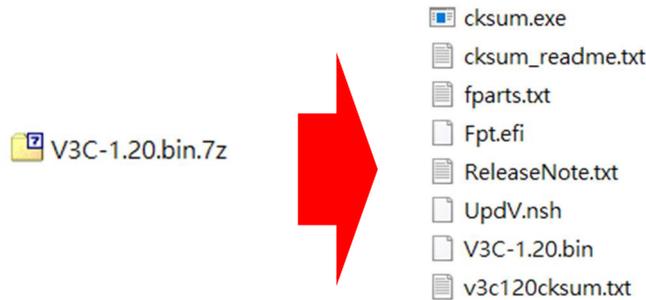
Step 3: Connect the USB disk before power on system.

Step 4: Power on system and press "**Del**" key into BIOS. Change BIOS setting below: Chipset ➔ PCH-IO Configuration ➔Security Configuration ➔ BIOS Lock change to "**Disable**".
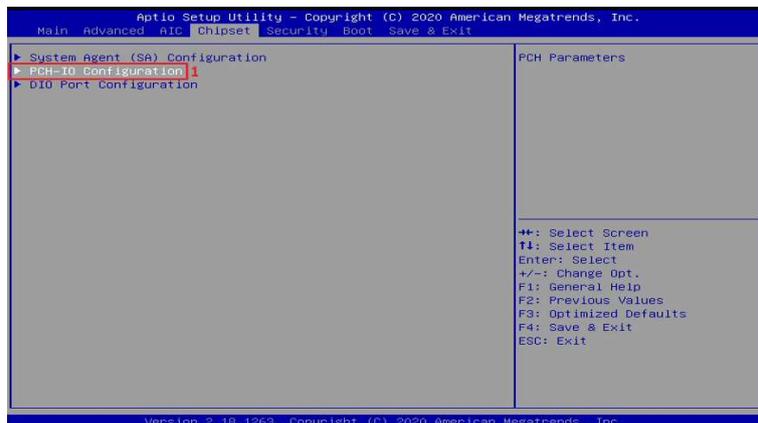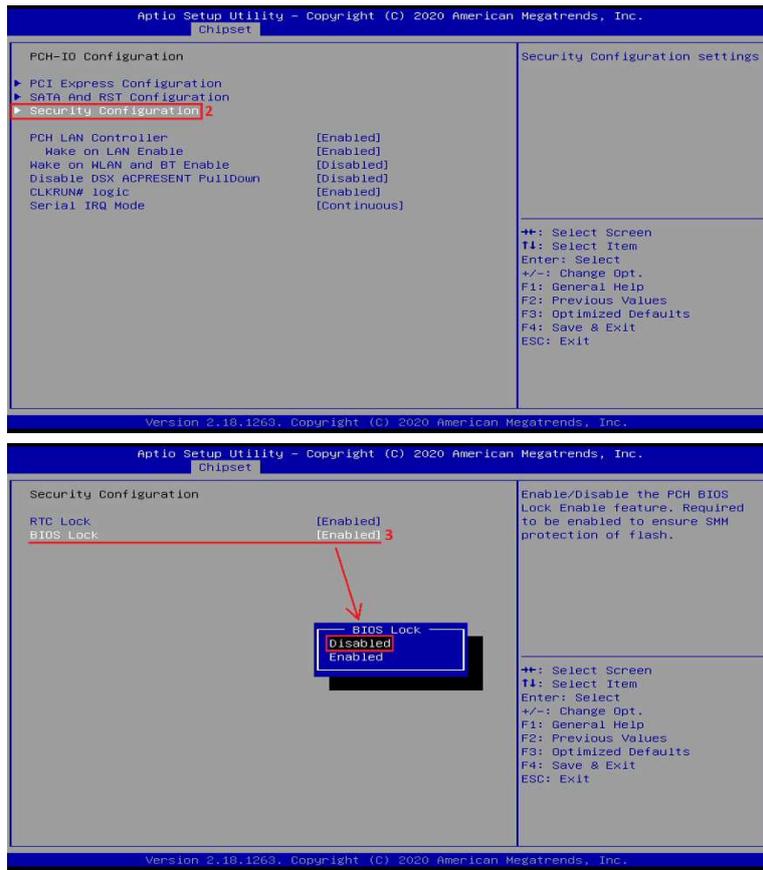
Step 5: Select Boot into UEFI Mode.
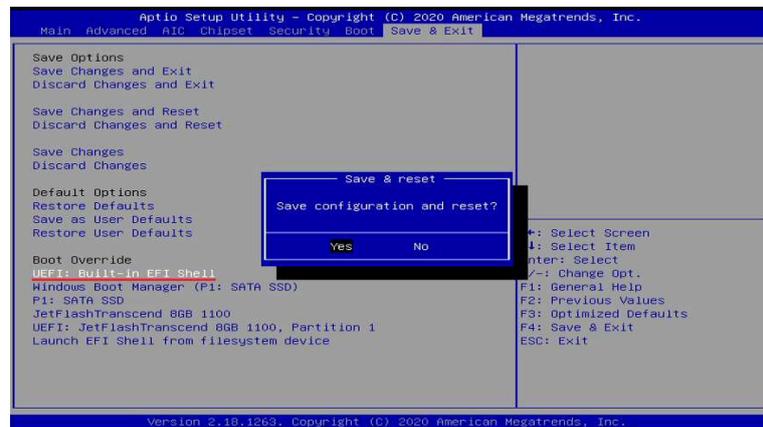
Step 6: Check the USB boot device name.
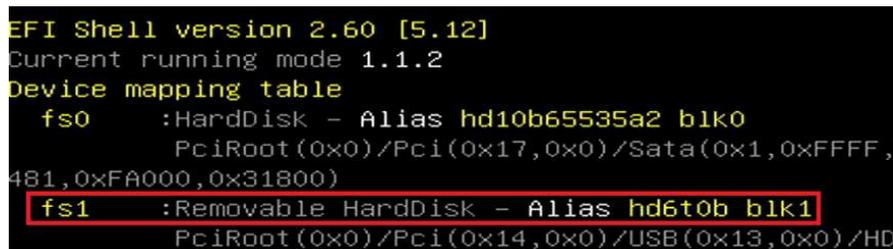
Step 7: Type the device name at shell commend. (e.g., fs1:)

```
Shell> fs1:
```

Step 8: Change directory to source file folder, (e.g., cd V3C-1.20.bin)

```
fs1:\> cd v3c-1.20.bin
```

Step 9: Enter "LS" to check all files. There are 9 files in total. See the list below.

```
fs1:\V3C-1.20.bin> ls
Directory of: fs1:\V3C-1.20.bin

  02/02/21  09:13a <DIR>           4,096  .
  02/02/21  09:13a <DIR>               0  ..
  11/12/20  01:40p                  38  cksum_readme.txt
  11/22/16  12:28p               8,037  fparts.txt
  11/22/16  11:58a           4,105,984  Fpt.efi
  11/12/20  01:57p               6,555  ReleaseNote.txt
  11/12/20  01:47p                 100  UpdV.nsh
  11/11/20  09:35a          16,777,216  V3C-1.20.bin
  11/12/20  01:44p                 115  v3c120cksum.txt
  11/12/20  01:40p             138,699  cksum.exe
  11/20/20  01:48p                   0  error.log
           9 File(s)   21,036,744 bytes
           2 Dir(s)
```

Step 10: Enter "updv.nsh" to update files.

```
fs1:\V3C-1.20.bin> updv.nsh
updv.nsh> fpt.efi -f V3C-1.20.bin -SAVEMAC

Intel (R) Flash Programming Tool. Version: 11.6.10.1198
Copyright (c) 2007 - 2016, Intel Corporation. All rights reserved.

Reading HSFSTS register... Flash Descriptor: Valid

        --- Flash Devices Found ---
        W25Q128FV       ID:0xEF4018      Size: 16384KB (131072Kb)

PDR Region does not exist.

- Reading Flash [0x0828F80]  8355KB of 16384KB -  51 percent complete.
```

Step 11: When update finish, please remove AC Adaptor or power supply. Then, wait a few seconds before reboot the system.

Step 12: Power on the system and press 'Del' key into the BIOS mode to check the BIOS version to be the new one.

```
 Main  Advanced  AIC  Chipset  Security  Boot  Save & Exit

   BIOS Information
   BIOS Vendor                      American Megatrends
   Core Version                     5.12
   Compliancy                       UEFI 2.6; PI 1.4
   Project Name                     V3C
   BIOS Version                     1.20
   Build Date and Time              11/11/2020 09:30:14
   Access Level                     Administrator

   Board Information
   LAN PHY Revision                 A6 (B2 Stepping)
```