

# **HQ-BOX**

## **BIOS Update How-To**

**Revision 1.0**  
**April 18, 2018**

# 1. Preparing update media

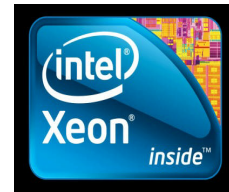
Requirements: USB dongle (A.K.A. Disk-on-Key, DOK) with 20MB of free space.

- The BIOS update is archived in a ZIP file.
- Open the archive and copy all files to the root folder of the DOK.
- Insert the DOK into the system designated for BIOS update.

**⚠ Caution: the BIOS image is unique for each product. Do not make a BIOS update with an image not specifically designed for the target product. Doing so will render your computer unbootable.**

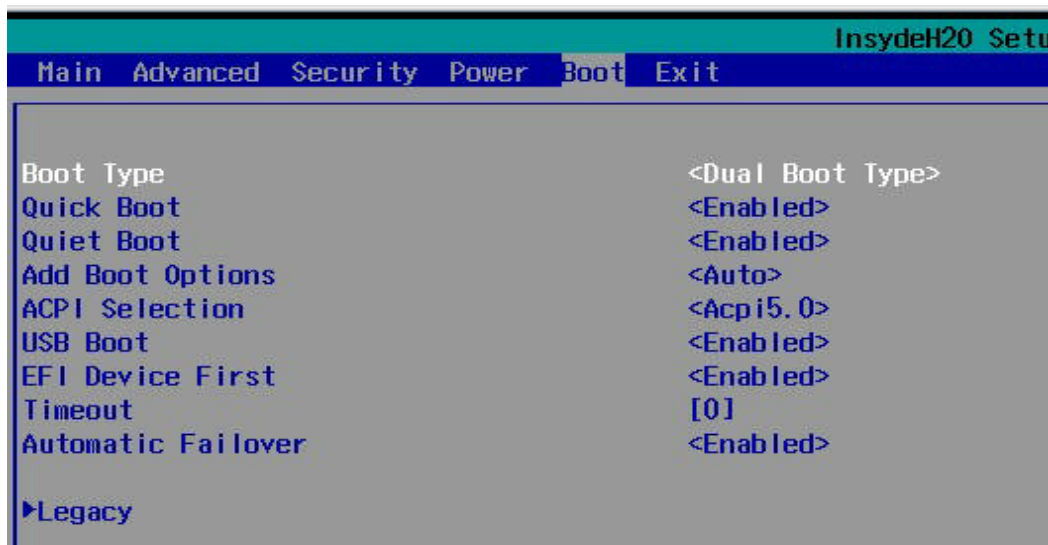
# 2. Preparing the target system

- Power on / reboot the system and enter BIOS by pressing F2 when seeing the boot logo:



Drawing 1: Boot logo

- Navigate to "Boot" -> Boot Type and change to "Dual Boot Type"



Drawing 2: Select Dual boot Type

- Navigate to "Exit" -> press "Exit Saving Changes" (or press F10) and wait for the system to reboot.

### 3. BIOS Update

**Warning:** Never turn the system off during the update process as this may cause damage to the system.

- The system will boot into EFI Shell:

```
EFI Shell version 2.40 [21781.48]
Current running mode 1.1.2
Device mapping table
fs0 :Removable HardDisk - Alias hd47a0b0b blk0
     PciRoot(0x0)/Pci(0x1D,0x0)/USB(0x0,0x0)/USB(0x1,0x0)/HD(1,MBR,0x05E39236,0x800,0x3947000)
blk0 :Removable HardDisk - Alias hd47a0b0b fs0
     PciRoot(0x0)/Pci(0x1D,0x0)/USB(0x0,0x0)/USB(0x1,0x0)/HD(1,MBR,0x05E39236,0x800,0x3947000)
blk1 :HardDisk - Alias (null)
     PciRoot(0x0)/Pci(0x1,0x1)/Pci(0x0,0x0)/NVMe(0x1,00-00-00-00-00-00-00-00)/HD(1,MBR,0xBFBD8CD0,0x800,0x1BF23800)
blk2 :BlockDevice - Alias (null)
     PciRoot(0x0)/Pci(0x1,0x1)/Pci(0x0,0x0)/NVMe(0x1,00-00-00-00-00-00-00-00)
blk3 :Removable BlockDevice - Alias (null)
     PciRoot(0x0)/Pci(0x1D,0x0)/USB(0x0,0x0)/USB(0x1,0x0)

Press ESC in 1 seconds to skip startup.nsh, any other key to continue.
Shell> _
```

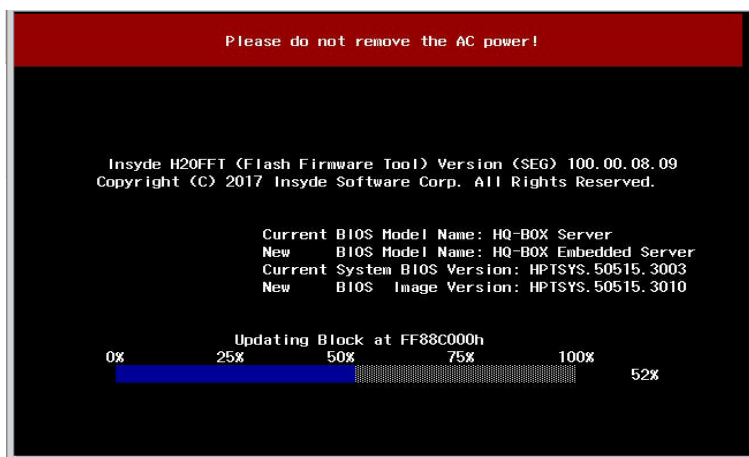
Drawing 3: EFI shell after boot

- Type fs0: and press the <Enter> key
- Type bios\_upd and press the <Enter> key

```
Shell> fs0:
fs0:\> bios_upd_
```

Drawing 4: Type bios\_upd

- Wait for the update process to finish.



Drawing 5: BIOS update process

- When done, your system will boot automatically.
- Remove the DOK after boot.

## 4. Revision notes

Revision	Date	Revision notes
1.0	2018-Apr-18	Initial release

## 5. Copyright Notice

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