

Internal Document External Document

Document Name: R680/R680S F4 Rebranding Firmware Update SOP	Doc. No.:	Revision:0.5
	Effective Date:	Page:1 of 7

Version History

Revision	Personnel	Date	Contents
1.0	Vernon Wang	2022/09/13	BMC update change to UEFI mode and combine with BIOS update together.
0.6	Vernon Wang	2019/05/06	Separate the FRU for the acer and the altos brand
0.5	Vernon Wang	2019/03/12	firmware update SOP

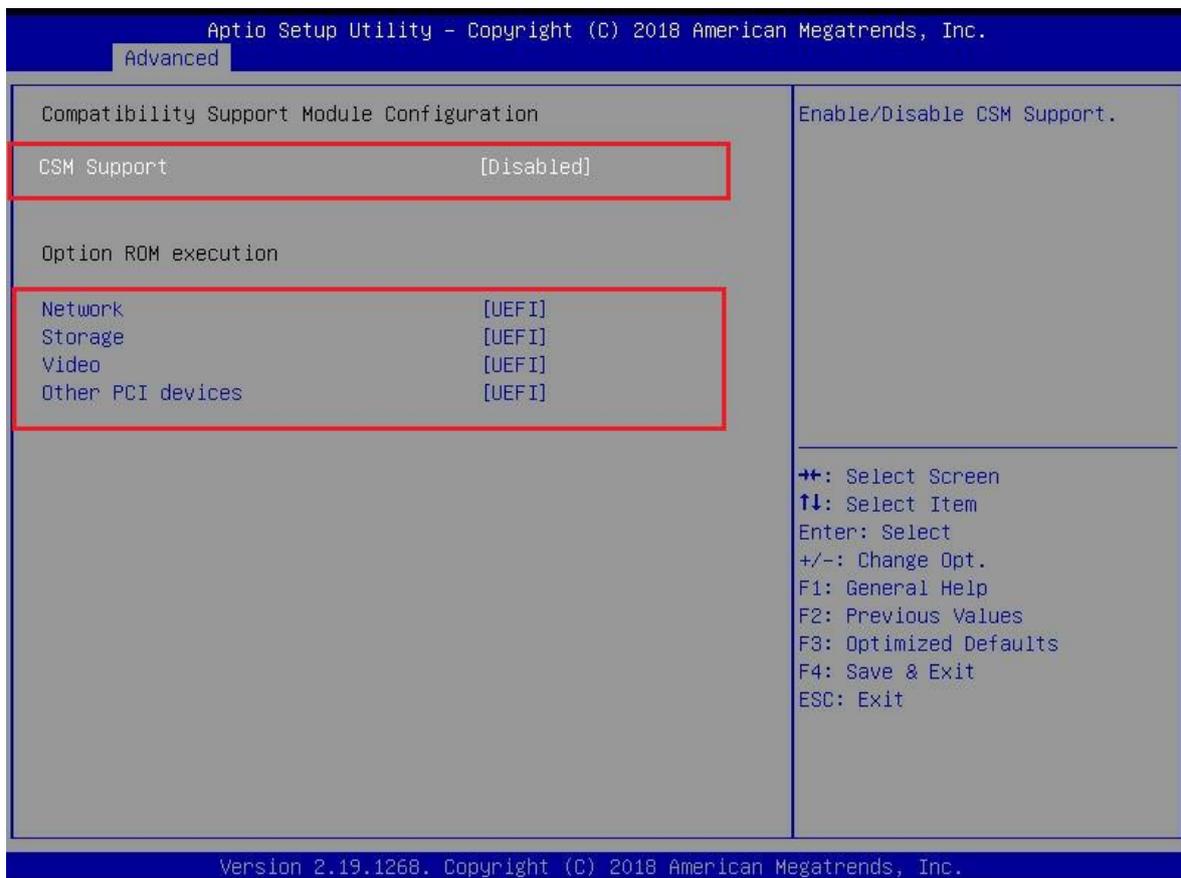
Internal Document External Document

Document Name: R680/R680S F4 Rebranding Firmware Update SOP	Doc. No.:	Revision:0.5
	Effective Date:	Page:2 of 7

R680 F4/R680s F4 Firmware Update SOP

I. BIOS and BMC Update

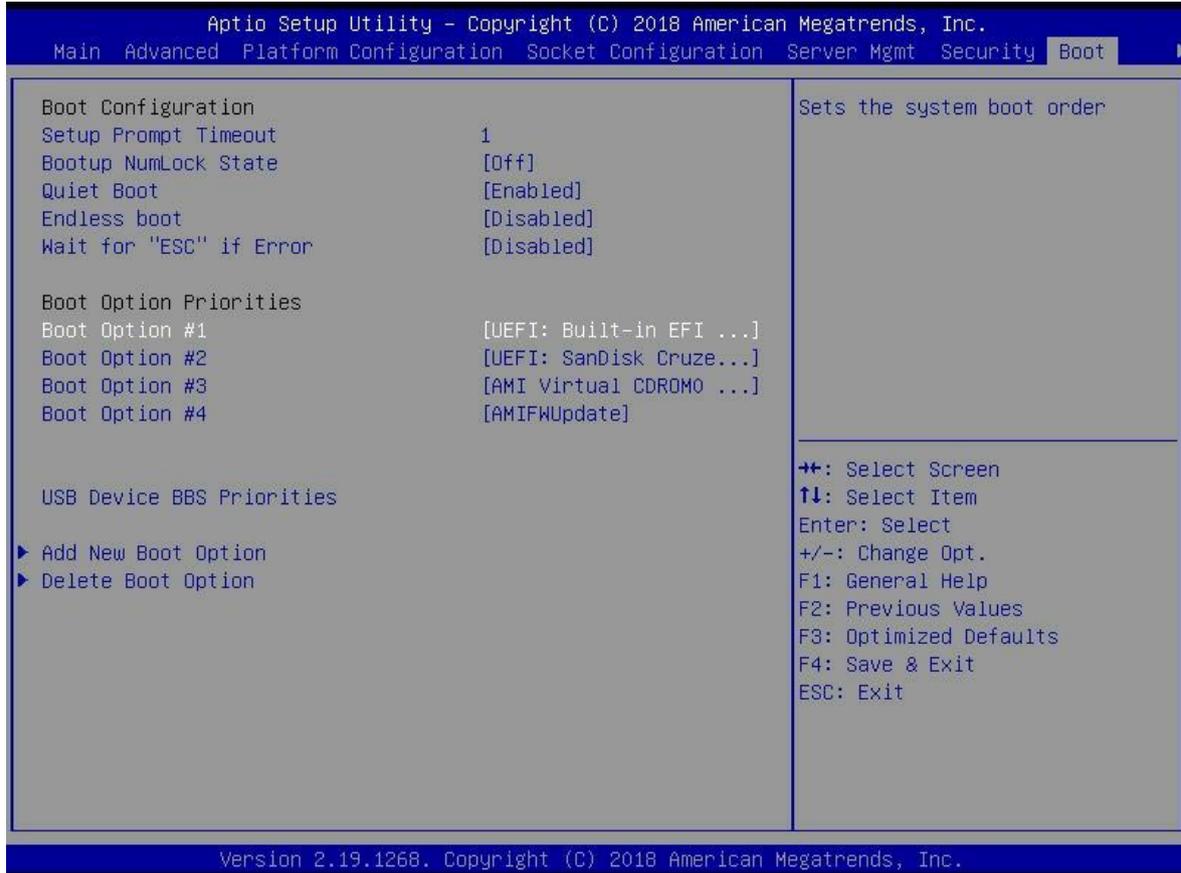
1. Copy BIOS package into a USB disk.
2. Download AMI flash BIOS tool from below link and put afuefix64.efi into BIOS folder.
<https://www.ami.com/bios-uefi-utilities/>
3. Boot to BIOS setup and select Boot Mode to UEFI mode. Go to Advance\CSM Configuration page, set the Video, Storage, Network ... option ROM to UEFI mode.
4. Save and exit to reboot the system, enter the BIOS setup again. Go to Advance\CSM Configuration page, set the CSM support to Disabled.



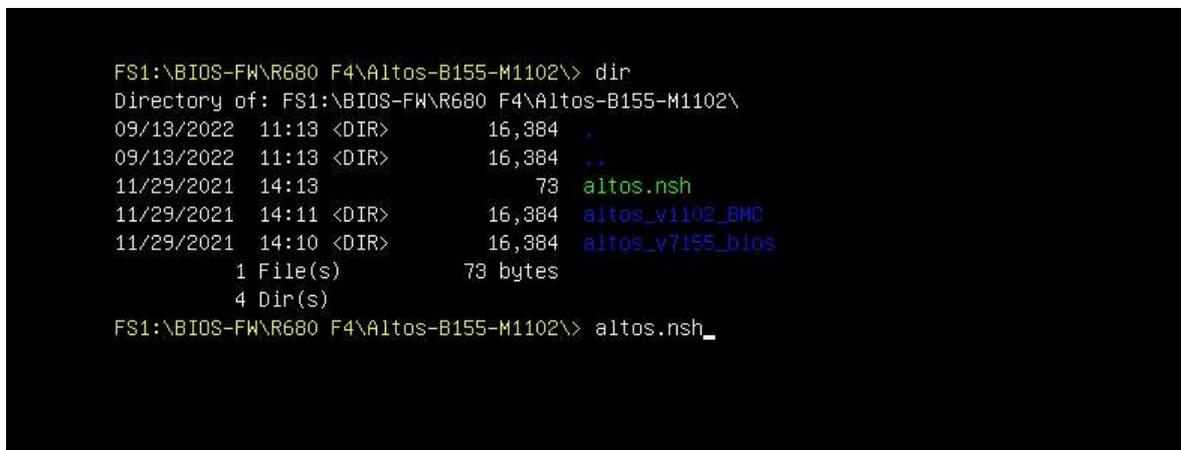
Internal Document External Document

Document Name: R680/R680S F4 Rebranding Firmware Update SOP	Doc. No.:	Revision:0.5
	Effective Date:	Page:3 of 7

5. Select embedded UEFI shell as first boot. Save and exit to boot to the embedded UEFI shell.



6. Change to USB disk file system FSx:(depend to USB disk location)
7. Enter the update folder and run the *acer.nsh* or *altos.nsh* to update BMC and BIOS.



8. When BIOS flash finished, reboot the system and go to BIOS setup again.

Internal Document External Document

Document Name: R680/R680S F4 Rebranding Firmware Update SOP	Doc. No.:	Revision:0.5
	Effective Date:	Page:4 of 7

```
- Update success for FDR
- Update success for GBER |
- Update success for DER. |
- Update success for GBEA... |
- PTT is locked, skip updating.
- Successful Update Recovery Loader to OPRx!!
- Successful Update MFSB!!|
- Successful Update FTPR!!|
- Successful Update MFS, IVB1 and IVB2!!
- Successful Update FLOG and UTOK!!
- ME Entire Image update success !!
WARNING : System must power-off to have the changes take effect!
FS0:\bios\f4\Tyan\Release\R680F4\BIOS\v7.112-EFI> _
```

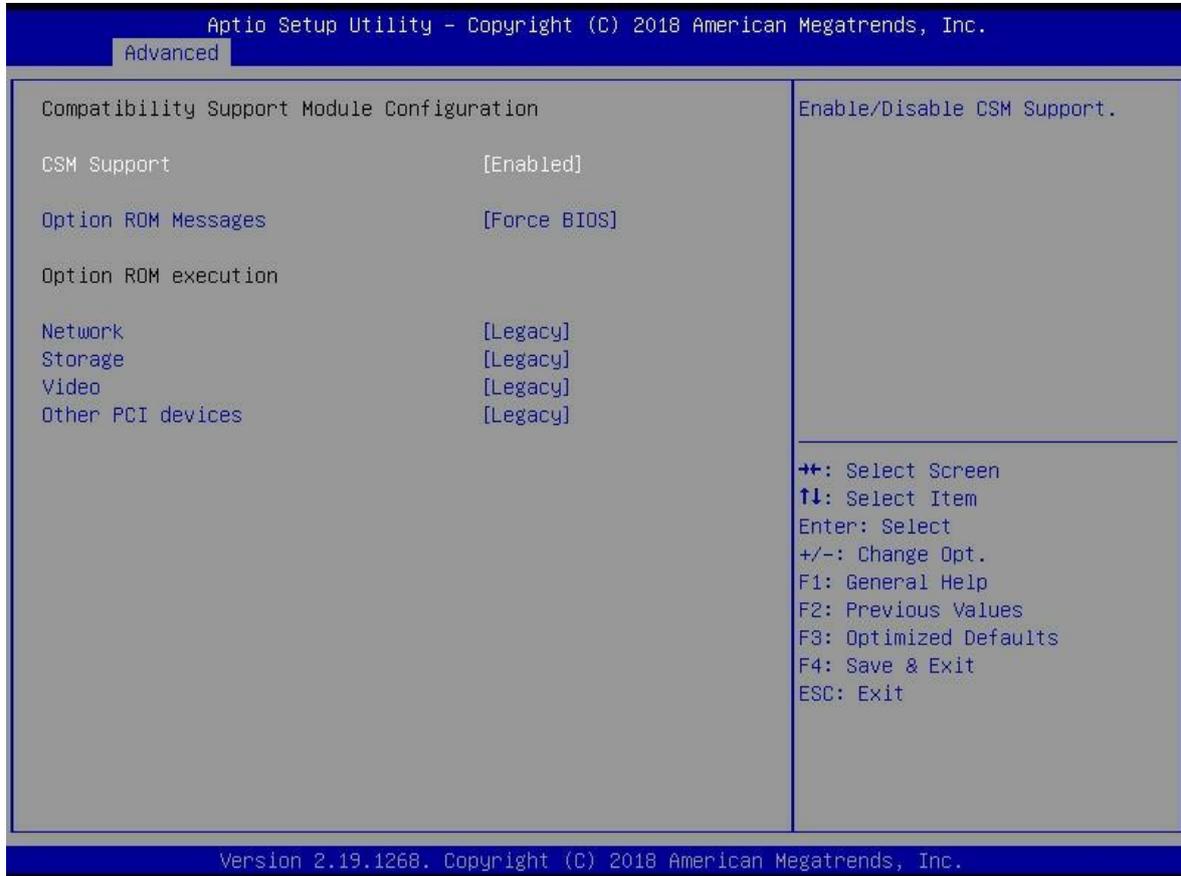
II. FRU Update

1. Prepare a DOS bootable USB disk. Put the Gigabyte BMC firmware update package into USB disk.
2. Insert USB disk into system and power on the system
3. Go to Advance\CSM Configuration page, set BIOS boot mode as legacy mode for DOS USB disk.

Internal Document

External Document

Document Name: R680/R680S F4 Rebranding Firmware Update SOP	Doc. No.:	Revision:0.5
	Effective Date:	Page:5 of 7



4. Select USB device as first boot device.

Internal Document

External Document

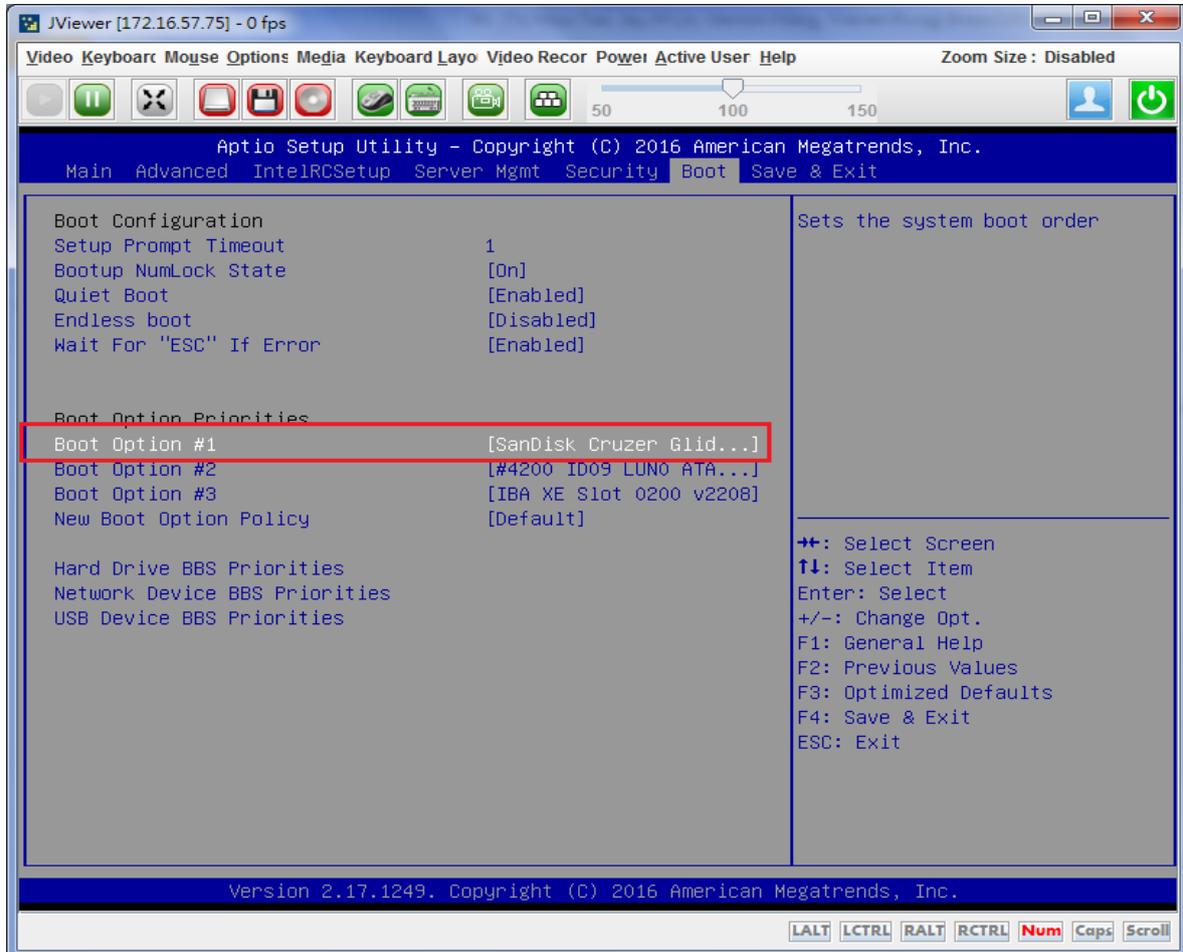
Document Name:
R680/R680S F4 Rebranding Firmware Update SOP

Doc. No.:

Revision:0.5

Effective Date:

Page:6 of 7



5. Go to FRU folder. If the model is for Acer brand, goto acer folder and type *acer.bat*. If the model is for Altos brand, goto altos folder and *altos.bat* to update SKU and manufacturer name and product name.

Internal Document

External Document

Document Name:
R680/R680S F4 Rebranding Firmware Update SOP

Doc. No.:

Revision:0.5

Effective Date:

Page:7 of 7

```
..                <DIR>                08-31-18  1:48p
FRU-1207          <DIR>                08-31-18  1:28p
ALTFRU           <DIR>                08-31-18  1:28p
      0 file(s)                0 bytes
      4 dir(s)                 3,411.94 MB free

C:\BIOS\F4\TYAN\RELEASE\R680F4\FRU>cd fru-1207
C:\BIOS\F4\TYAN\RELEASE\R680F4\FRU\FRU-1207>dir

Volume in drive C is DOS
Volume Serial Number is 226F-6167
Directory of C:\BIOS\F4\TYAN\RELEASE\R680F4\FRU\FRU-1207

.                <DIR>                08-31-18  1:48p
..               <DIR>                08-31-18  1:48p
ACER             BAT                10      11-09-17 11:20a
FRUEDIT         EXE               47,297  07-06-17 5:34p
FW_SOP          TXT                366    12-14-17 10:46a
UH8D            EXE               101,528 02-17-10 9:23a
UPDFRU         BAT                106    09-22-17 5:05p
      5 file(s)                149,307 bytes
      2 dir(s)                 3,411.94 MB free

C:\BIOS\F4\TYAN\RELEASE\R680F4\FRU\FRU-1207>acer.bat_
```

III. Serial Number Update

6. If need to update the Acer or Altos serial number, boot to DOS mode. Go to the ..\SN_ xxxx folder. Type acer.bat “22 charaters serial number”.

```
C:\BIOS\F4\TYAN\RELEASE\R680F4\SN\SN-1214>acer.bat 1234567890123456789012
C:\BIOS\F4\TYAN\RELEASE\R680F4\SN\SN-1214>uh8d /wfru=acer.fru
BMC Utility on Dos For M3291/3295/3296/AST2050/Pilot2 version 1.3.11
Copyright 2005-2010 TYAN Computer Corp.
IPMI Ver: 2.0   Firmware Rev: 8.00   Vendor ID: 6653 Pdt ID: -21829
Dump FRU to File acer.fru
reading FRU.....
writing file.....ok

C:\BIOS\F4\TYAN\RELEASE\R680F4\SN\SN-1214>fruedit /file=acer.fru /pdsn=123456789
0123456789012
FRU Manafactory date time Wed Mar 13 16:17:59 2019
has be updated in Hex 0xFD 0x2B 0xBA

C:\BIOS\F4\TYAN\RELEASE\R680F4\SN\SN-1214>uh8d /fru=acer.fru
BMC Utility on Dos For M3291/3295/3296/AST2050/Pilot2 version 1.3.11
Copyright 2005-2010 TYAN Computer Corp.
IPMI Ver: 2.0   Firmware Rev: 8.00   Vendor ID: 6653 Pdt ID: -21829
Update FRU with File acer.fru
reading file.....
writing FRU.....
Update successfully

C:\BIOS\F4\TYAN\RELEASE\R680F4\SN\SN-1214>_
```