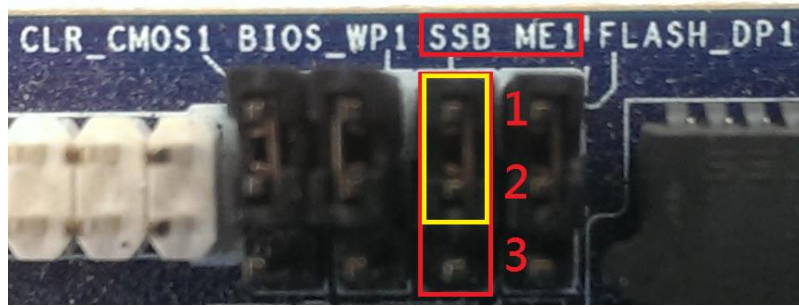


GIGABYTE BIOS Update SOP

Please select first below update situation.

1. [F version BIOS update to R version BIOS.](#)
2. [\(F version to F version\) or \(R version to R version\) update BIOS.](#)

1. F version BIOS update to R version BIOS:



➤ Please check first **SSB_ME1** Jumper keep **1-2** location.

We provided two kind of method to update BIOS for support V2 serial CPU.

Method A. Didn't need to move Jumper setting to finish flashing BIOS. (Easy Update)

Method B. Need to move Jumper setting to finish flashing BIOS. (Fully Update)

Note: The Method A. will not update SPI descriptor region.

A. Flash BIOS and Intel ME firmware.

Note: We will backup BIOS DMI information and copy to newly BIOS.

1. Boot to DOS.
2. Execute **FB 1**. (system will auto execute flash BIOS and ME)

```
FPT Operation Passed
      1 file(s) copied
Fpt BIOS Flash success!
System cold boot for next step!
waiting for 5 secs...
```

```
C:\>C:\FQA\1\fh.bat 2

+-----+
|               AMI Firmware Update Utility  v3.05.02               |
|               Copyright (C)2013 American Megatrends Inc. All Rights Reserved               |
+-----+
Reading flash ..... done
- ME Data Size checking . ok
- FFS checksums ..... ok
- Update success for /FDT!!
- Update success for /PDR!!
- Successful Update Recovery Loader to OPRx!!
- Successful Update FPT, MFSB, FTFR and MFS!!
- ME Entire Image update success !!
WARNING : System must power-off to have the changes take effect!
Afudos Flash success! waiting for 5 secs to reboot syste
```

```
-----
(/IV)BIOS version      W      Done      "R04"
(/ID)BIOS release date W      Done      "09/28/2013"
Restart the system!
All BIOS flash steps are done! Please AC OFF and AC ON again. Tha
=====GigaByte Flash BIOS Utility v0.1=====
C:\FQA\1>
```

3. Finished, Please **AC off** and AC on again.

B. Use FPT tool flash BIOS + ME firmware. (Need move Jumper)

Note: We will backup BIOS DMI information and copy to newly BIOS.

1. Keep **AC off**.
2. Please find **FLASH_DP1**.

If you cannot find FLASH_DP1 jumper, please refer below jumper name list to find this jumper.

(J_MEUPDATE\MEUPDATE\ME_UPDATE\HDA_SDO1\SSB_ME1\SSB_ME2\ME_RCVR\ME_RVCR\FLH_JP1)

Jumper and move to **2-3** location.



3. Boot into DOS and execute **FB 2**.

```
PDR region already exists in flash. You may lose important data
Do you want to continue? Y/<N> or q to quit : Y

- Erasing Flash Block [0x030000] - 100% complete.
- Programming Flash [0x030000] 64KB of 64KB - 100% complete
- Verifying Flash [0x030000] 64KB of 64KB - 100% complete.
RESULT: The data is identical.

FPT Operation Passed
1 file(s) copied
FPT Flash success! waiting for 5 secs to reboot system
```

```
Initializing the SMBIOS interface. Please wait a moment.....
-----
Name              R/W  Status  Information
-----
(/IU)BIOS version      W    Done   "R04"
(/ID)BIOS release date  W    Done   "09/28/2013"
Restart the system!
All BIOS flash steps are done! Please AC OFF and AC ON again. Thanks
=====GigaByte Flash BIOS Utility v0.1=====
C:\FQA\1>_
```

4. When flash finished. Please **AC off** and move Jumper back to **1-2** location.

2. (F version to F version) or (R version to R version) update BIOS.

A. Flash BIOS only.

Note: We will backup BIOS DMI information and copy to newly BIOS.

1. Boot to DOS.
2. Execute **FB 3**.

```
Note:
Please system reset after finish updated.
    1 file(s) copied
AFUDos Flash BIOS success! waiting for 5 secs to reboot system
```

| Name | R/W | Status | Information |
|------------------------|-----|--------|--------------|
| (/IV)BIOS version | W | Done | "R04" |
| (/ID)BIOS release date | W | Done | "09/28/2013" |

```
Restart the system!
All BIOS flash steps are done! Please AC OFF and AC ON again. Thanks!
=====GigaByte Flash BIOS Utility v0.1=====
C:\PQA\1>
```

3. Finished. Please **AC off** and AC on again.