	Type	Instructions	Doc.	R&D Department	No.	XX/XXXX/XX
	Version	1.0			Release Date	20170220
Inspur Electronic Information Industry Co.,Ltd.						

DOSFlash User Guide

Purpose

This document provides information to use the DOSFlash.

Application Scope

Inspur Grantley platform server.

Instructions for DOSFlash

1. Put DOSFlash package and BIOS image file to DOS startup disk and boot into DOS.
2. Change directory to DOSFlash, as shown in Figure 1. BIOS.bin is 16M image file to be updated. Flash.bat is script to update 8M BIOS part. MEflash.bat is script to update 16M BIOS and ME part.

```

C:\>cd dosflash

C:\DOSFLASH>dir

Volume in drive C is ZHENGYUAN
Volume Serial Number is 485D-783E
Directory of C:\DOSFLASH


.                <DIR>                12-19-14  10:06a
..               <DIR>                12-19-14  10:06a
AFUDOS    EXE           169,120  02-02-15  2:43p
ANALYZE   EXE           13,525  11-15-13  10:45a
BMC       TXT              16  12-12-13  1:51p
FLASH     BAT             332  12-19-14  9:53a
IPMITOOL  EXE          47,852  11-15-13  10:45a
MEFLASH   BAT             1,050  12-19-14  9:49a
README    TXT             982  12-19-14  10:04a
SLEEP     EXE           9,927  11-15-13  10:45a
BIOS      BIN       16,777,216  12-19-14  10:27a
          9 file(s)      17,010,340 bytes
          2 dir(s)      2,090,102,784 bytes free

```

Figure 1

3. Without updating ME part, the command below update the BIOS part. The upgrade process is shown in figure 2. Reboot is suggested after the update is complete.

flash BIOS.bin

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```

C:\DOSFLASH>flash BIOS.bin
=====
BIOS reflashing now .....
=====
*****
+-----+
|          AMI Firmware Update Utility  v5.07.01          |
| Copyright (C)2014 American Megatrends Inc. All Rights Reserved. |
+-----+
Reading flash ..... done
- ME Data Size checking . ok
Secure Flash enabled, recalculate ROM size with signature...
- FFS checksums ..... ok
Loading capsule to secure memory buffer ... done
Erasing Boot Block ..... done
Updating Boot Block ..... done
Verifying Boot Block ..... done
Erasing Main Block ..... done
Updating Main Block ..... done
Verifying Main Block ..... done
Erasing NVRAM Block ..... done
Updating NVRAM Block ..... done
Verifying NVRAM Block ..... done
Erasing NCB Block ..... done
Updating NCB Block ..... done
Verifying NCB Block ..... done
Erasing RomHole Block ..... done
Updating RomHole Block ..... done
Verifying RomHole Block ..... done
*****
BIOS reflash finished!

```

Figure 2

- When ME part changed, the command below update the BIOS and ME part. The upgrade process is shown in figure 3.
meflash BIOS.bin

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```

C:\DOSFLASH>meflash BIOS.bin
=====
ME reflash Begin.....
=====
28 ec 32 00 02
Waiting for ME to reflash now,please wait a moment.....

C:\DOSFLASH>
=====
ME reflashing now .....
=====
+-----+
|              AMI Firmware Update Utility  v5.07.01              |
|      Copyright (C)2014 American Megatrends Inc. All Rights Reserved.      |
+-----+

Reading flash ..... done
- ME Data Size checking . ok
Secure Flash enabled, recalculate ROM size with signature...
- FFS checksuns ..... ok
Loading capsule to secure memory buffer ... done
Erasing Boot Block ..... done
Updating Boot Block ..... done
Verifying Boot Block ..... done
Erasing Main Block ..... done
Updating Main Block ..... done
Verifying Main Block ..... done
Erasing NVRAM Block ..... done
Updating NVRAM Block ..... done
Verifying NVRAM Block ..... done
Erasing MCB Block ..... done
Updating MCB Block ..... done
Verifying MCB Block ..... done
Erasing RomHole Block ..... done
Updating RomHole Block ..... done
Verifying RomHole Block ..... done
- Update success for /FDI!!
- Successful Update Recovery Loader to DPRx!!
- Successful Update FPT, MFSB, FTFR and MFS!!
- ME Entire Image update success !!
WARNING : System must power-off to have the changes take effect!
=====
28 ec 32 00 00
Please wait a moment.....
ME reflash finished!
System must power off to have the changes take effect!

```

Figure 3

Note: After the update is complete, system must power-off. Please make sure motherboard has no residual electricity before power on and boot.

UID light can be used to detect whether motherboard has residual electricity. Press UID light button. If the light is off, this shows that motherboard has no residual electricity. Otherwise motherboard has residual electricity.