

BIOS Release Notes

TITLE

SUBJECT: MD80-TM0 BIOS Release Notes version [R10](#)
System: [NA](#)

About This Release

Build Date: [2019/12/5](#)
BIOS Checksum: [0x59880733](#) (8M), [0xCF9BAE86](#) (16M)
Release Owner: Jonas.Hsu

BIOS Components/Contents

Processor stepping(s) supported: supports Intel® Haswell-EP/Broadwell-EP processors
System hardware configurations supported: MD80-TM0
Microcode updates versions:

CPUID	Family	Microcode Update ID
406F0	Broadwell-EP Processor A-0, A-1, L-0	00000014
406F1	Broadwell-EP Processor B-0, M-0, R-0	0B000038
306F0	Haswell-EP Processor A-0	FFFF0017
306F1	Haswell-EP Processor B-0	00000014
306F2	Haswell-EP Processor C-0, C-1, M-0, M-1, R-2	00000043

IPMI support:
AMI Kernel version: [Gbt_Kernel_023_170](#)
Intel CSI/MRC Package version: [3.10](#)
SPI Descriptor version: [03.01.03.072.0_07](#)
OPROM version :

OPROM	Version
INTEL RAID PACKAGE	RSTe 4.5.0.1333

Installation Notes

IMPORTANT NOTES:

1. Please extract the MD80-TM0_ [R10](#).zip to a bootable diskette that can boot to real DOS
2. Please don't load HIMEM.SYS or any other memory management SW in the diskette

BIOS UPDATE INSTRUCTIONS FOR DOS:

1. Insert USB flash drive to system for BIOS upgrade
2. Power on system and boot to USB flash
3. Execute FB.BAT for bios update
 - a. Execute "FB.BAT 3" only Flash BIOS Command line

BIOS Release Notes

- b. Execute "FB.BAT 2" need move ME flash jump(AC off) to flash ME firmware
4. After bios flash finish, system will reboot automatically, please do not remove USB flash
5. System will restore DMI data after boot to DOS again, please wait the message below,
"All BIOS flash steps are done! Please AC OFF and AC ON again. Thanks!"
6. Done

BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\Win32\f.cmd or \Tool\Win64\f.cmd for bios update
4. After bios flash finish, Please reboot windows system

BIOS UPDATE INSTRUCTIONS FOR LINUX:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\LNx\afulnx32\f.sh or \Tool\LNx\afulnx64\f.sh for bios update
4. After bios flash finish, Please reboot windows system

BIOS Version CHECK INSTRUCTIONS:

1. Power on system and press F2 during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

R10

1. Security update for 2019.2 Intel Platform Update (IPU).

[1] Update Microcode: Hasswell-EP M6F306F2_00000043, Broadwell-EP MEF406F1_0B000038.

- [2] Update ACM :SINIT 3.1.3.

- [3] Update Update SPS 03.01.03.72.0.

R09

1. ASPEED VBIOS update to 1.09.0 for CVE-2019-6260.
2. Fix INTEL-SA-00233.

R08

1. update microcode for Security

R07

1. Update microcode for Speculative Execution and Indirect Branch Prediction Side Channel Analysis Method.

R06

1. Fix Intel Unsafe Opcodes exposed in Intel SPI based products issue

BIOS Release Notes

R05

1. Fixed issue that CPU report error 0xFF.
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R03

1. Update Microcode.
 2. Modified Memory RAS function.
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R01

1. RC refresh release first
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T03

1. update MRC
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T02

1. update MRC to 2.95
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F08

1. Update Microcode to 36.
 2. Update sending system information to BMC.
 3. Fix 4Kn HDD can't boot into DOS.
 4. Fix Load Default Utility can't work.
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F08

1. update kernel to fix issue
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T01

1. Grantley Refresh.
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F07

1. Fixed BIOS recovery fail.
 2. Turn off onboard VGA display when display from add-on VGA.
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F06

1. Fixed issue that VGA problem.
 2. Fixed issue that BIOS Recovery fail.
 3. The Nvidia Grid Card is reported POST error on IPMI Event log
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F05

1. Update Kernel
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F04

1. update MRC
-

F03

1. NVMe support

BIOS Release Notes

2. PCIe SATA support
3. SMBIOS to BMC Web
4. BMC updates BIOS Setup.
5. BMC IPv6 display full IP address information when DHCP mode.

F02

1. update kernel

F01

1. SVID modified.
2. Fix SIO fail message in Linux.

D06

1. Reading Power from BMC.

D05

1. fixed x540 disable oprom issue

D04

- 1.[0018539] modify slot oprom default
- 2.[0018752] modify USB PORT MAPPING

D03

1. Enabled SVID function.
2. Enabled LAN MAC function.
3. Modified Power LED to GPIO 21.
4. Enabled ECC function.
5. Modified LAN disabled GPIO.
6. Enabled UUID function.

D02

1. Update Kernel code
2. Update IR rom

D01

1. First Release
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