

BIOS Release Notes

TITLE

SUBJECT: MD70-HB2 BIOS Release Notes version [R01](#)
System: [NA](#)

About This Release

Build Date: [2016/3/16](#)
BIOS Checksum: [0x597C0C79](#) (8M), [0xCF909FEF](#) (16M)
Release Owner: John.Lin

BIOS Components/Contents

Processor stepping(s) supported: supports Intel® Haswell-EP processors
System hardware configurations supported: GA-MD70-HB2 Rev: [0.1/0.2/1.0](#)
Microcode updates versions:

CPUID	Family	Microcode Update ID
406F0	Broadwell-EP Processor A-0, A-1, L-0	00000014
406F1	Broadwell-EX Processor B-0	0B000014
406F1	Broadwell-EP Processor B-0, M-0, R-0	0B000014
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	00000036

IPMI support:

AMI Kernel version: [Gbt_Kernel_023_13](#)

Intel CSI/MRC Package version: [3.10](#)

SPI Descriptor version: [03.01.03.023.0_09](#)

OPROM version :

OPROM	Version
INTEL RAID PACKAGE	RSTe 4.5.0.1333
AST2400 VGA	0.97.06
INTEL 1G PXE	1.5.40
INTEL 10G PXE	2.3.08

Installation Notes

IMPORTANT NOTES:

1. Please extract the MD70-HB2 [R01](#).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:

BIOS Release Notes

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
 - 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\fb.cmd or \Tool\Win64\fb.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\fb.sh or \Tool\LNx\afulnx64\fb.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

R01

1. RC refresh release first

T02

1. update MRC

F02

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.

F01

1. Fixed issue that smbus fail.

E02

1. Fixed BIOS recovery fail.

BIOS Release Notes

2. Turn off onboard VGA display when display from add-on VGA.

E01

1. First Release.
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