

BIOS Release Notes

TITLE

SUBJECT: MR31-M10 BIOS Release Notes version [R15](#)
System: [R121-340](#)

About This Release

Build Date: [2020/1/9](#)
BIOS Checksum: [0x60AE86ED](#) (8M), [0xCD93759F](#) (16M)
Release Owner: ant.wei

BIOS Components/Contents

Processor stepping(s) supported: supports Intel® Skylake/ Kabylake processors
System hardware configurations supported: GA-MR31-M10 Rev: [0.1/0.2/1.0](#)
Microcode updates versions:

| CPUID | Family | Microcode Update ID |
|-----------------------|--|--------------------------|
| 906E9 | KabyLake-S Processor B-0 | 000000CA |
| 906E9 | KabyLake-X Processor B-0 | 000000CA |
| 506E3 | SkyLake(506E3) R-0, S-0 | 000000D6 |

IPMI support:
AMI Kernel version: [Gbt_Kernel_020_020](#)
Intel CSI/MRC Package version: [4.1.0.8](#)
SPI Descriptor version: [04.01.04.054.0_01](#)
OPROM version :

| OPROM | Version |
|------------|-----------------|
| INTEL RAID | RSTe 4.5.0.1012 |

Installation Notes

IMPORTANT NOTES:

1. Please extract the MR31-M10_ [R15](#).zip to a bootable diskette that use FAT/FAT32 format

BIOS UPDATE INSTRUCTIONS FOR EFI Shell:

1. Move ME_UPDATE flash jump(AC off) to Pin 2-3
2. Insert USB flash drive to system for BIOS upgrade
3. Power on system and boot USB flash to UEFI Shell
4. Execute "\SPI_UPD\spsFPT.nsh" on UEFI Shell mode
"All BIOS flash steps are done! set the ME_UPDATE flash jumper(AC off) back to the default position. Thanks!"
5. if need restore SMBIOS information, Please System Power On after, Enter " \SPI_UPD\AMIDEEFIx64.efi config.dms" restore.

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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 Del during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

R15

1. Security update for 2019.4 Intel Platform Update (IPU).
Update microcode:
CPU ID: 506E3, Microcode Version: 0x000000D6
CPU ID: 906E9, Microcode Version: 0x000000CA

R14

1. Fix some EFI OS boot fail.

R13

1. Upgrade ASPEED VBIOS update to v1.09.0
2. Upgrade microcode for NTEL SA-00233

R12

1. update intel DCI policy security

R11

1. update microcode for CPU Security

R10

1. Update Microcode for solve the CPU Security

R09

1. Update Microcode for solve the Security problem.

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R08

1. fix new kernel boot legacy mode usb can't work
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R07

1. update mrc
 2. update microcode
 3. update sps me
-

R06

1. update ME firmware
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R05

1. Improved Booting time.
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R04

1. support UNCORRECTABLE disable channel
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R03

1. modify slot name
-

R02

1. fix not show bad time string issue
-

R01

1. PVT first release
-

T04

1. fix memory dimm sensel fail on EFI shell mode
-

T02

1. fix 2400MB/s DIMM hung up post code 0x55
-

T01

1. frist release
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T01

1. first release
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