

# BIOS Release Notes

## TITLE

**SUBJECT:** MW21-SE0 BIOS Release Notes version [R10](#)  
**System:** [NA](#)

### About This Release

**Build Date:** [2019/6/14](#)  
**BIOS Checksum:** [0x60A4A1A9](#) (8M), [0xCD855554](#) (16M)  
**Release Owner:** ant.wei

### BIOS Components/Contents

**Processor stepping(s) supported:** supports Intel® Skylake/ Kabylake processors  
**System hardware configurations supported:** GA-MW21-SE0 Rev: [0.1/0.2/1.0](#)  
**Microcode updates versions:**

CPUID	Family	Microcode Update ID
<a href="#">906E9</a>	<a href="#">KabyLake-S Processor B-0</a>	<a href="#">000000B4</a>
<a href="#">906E9</a>	<a href="#">KabyLake-X Processor B-0</a>	<a href="#">000000B4</a>
<a href="#">506E3</a>	<a href="#">SkyLake(506E3) R-0, S-0</a>	<a href="#">000000CC</a>

**IPMI support:**  
**AMI Kernel version:** [Gbt\\_Kernel\\_020\\_018](#)  
**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 MW21-SE0\_[R10](#).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

R10

1. Upgrade ASPEED VBIOS update to v1.09.0
  2. Upgrade microcode for NTEL SA-00233
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R09

1. update intel DCI policy security
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R08

1. update microcode for CPU Security
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R07

1. Update Microcode for solve the CPU Security
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R06

1. Update Microcode for solve the Security problem.
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R05

1. fix new kernel boot legacy mode usb can't work
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R04

1. update mrc
  2. update microcode
  3. update sps me
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R03

## BIOS Release Notes

1. update ME firmware

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R02

1. Update Microcode.

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R01

1. update MRC to support kabylake CPU

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T10

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

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T09

1. update MRC and Microcode

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T08

1. fix change UEFI driver lose LAN wol function

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T08

1. fix change UEFI driver lose LAN wol function

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T07

1. modify USB map

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T06

1. fix InfoReport module issue on SATA  
2. fix S4 resume skip hot key work

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T05

1. support GBIA Rom Hole Tools for OA2.0

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T04

1. update ME to 4.01.03.019

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T03

1. update kernel support kabylake B0 step

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T02

1. fix some M.2 devices enter OS fail

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T01

1. update Greenlow Refresh to 3.8.0.3

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F07

1. update kernel

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F06

## BIOS Release Notes

1. release new MRC

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F05

1. Modified Fan speed policy.

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F04

1. fix CPU not enter package C6/C7
2. fix NvME string error
3. fix group 0x1C not disable root port swap
4. fix WHCK TPM2.0 some fail item

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F03

1. Fix issue that fan speed didn't working.
2. Fixed issue that HDD lost on port2.

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F02

1. update SATA signal

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F01

1. release PVT first

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D06

- 1.[0023086] fix web ui have System Event Log
2. sync MW21 SE0/SE1 code

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D05

1. update Kernel and ME

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D04

1. fix power LED blink work on S4/S5 issue
2. delay Intel RAID UI to 6s

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D03

1. update ME fix I219 issue
2. fix RSTe RAID show UI time

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D02

1. update Kernel and ME
2. fix S3 ME issue
3. fix on board VGA not change issue

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D01

1. for DVT release

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E10

1. disable smbios sends to bmc feature.

## BIOS Release Notes

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E09

1. Update RSTe 4.3
2. Enabled smbios sends to bmc feature.

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E08

1. fix PXE UEFI not work
2. support case open
3. update MRC 0.9.0
4. fix recovery hung up post 0x04
5. fix afu tool flash bios and ME on redhat 7.1 fail

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E07

1. fix PCIE Gen3 issue
2. Fix no wait BMC ready during AC on

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E06

1. update ME to SPS\_E3\_04.00.03.008

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E05

1. update kernel and MRC
2. fix lanconf test fail
3. fix random hang on debug code 0x55
4. fix COM console redirection will see error message
5. fix can't disabled all Onboard LAN
6. fix can't disabled Onboard LAN1 optaion ROM
7. fix NMI button not have hang
8. support IRSTe
9. support offboard VGA

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E04

1. disable init VGA

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E03

1. update kernel and ME
2. add audio table

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E03

1. update kernel and ME
2. add audio table

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E02

1. disable Bios recovery function
2. update kernel and ME

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E01

# BIOS Release Notes

## 1. first Release

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