

BIOS Release Notes

TITLE

SUBJECT: MW50-SV0 BIOS Release Notes version [R10](#)
System: [NA](#)

About This Release

Build Date: [2019/12/6](#)
BIOS Checksum: [0x61E04BA4](#) (8M), [0xC7F6B84E](#) (16M)
Release Owner: Jonas.Hsu

BIOS Components/Contents

Processor stepping(s) supported: supports Intel® Haswell-EP/Broadwell-EP processors
System hardware configurations supported: MW50-SV0
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_107_06](#)
Intel CSI/MRC Package version: [3.10](#)
SPI Descriptor version: [wbg_5m_9_1_41_3024_11](#)
OPROM version :

OPROM	Version
INTEL RAID PACKAGE	RSTe 4.5.0.1333
INTEL 1G PXE	1.5.53
INTEL 1G LAN EFI	6.2.08

Installation Notes

IMPORTANT NOTES:

1. Please extract the MW50-SV0_[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

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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\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.

R09

1. Fix INTEL-SA-00233.

R08

1. update microcode for Security

R06

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

R05

1. update GBIA function

R04

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1. Fixed issue that CPU report error 0xFF.

R03

1. Fixed issue that smbios utility couldn't be used.

R02

1. Disable not set user password enter setup menu function

R01

1. RC refresh release first

T05

1. fix I218 LAN mac issue

T04

1. update Kernel

T03

1. update kernel
2. fix I217 not work

T02

1. update kernel and ME

F13

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.

T01

1. MayanCityRefresh first

F12

1. Fixed issue that S4 resume fail.

F11

1. Disabled ACS

F10

1. Disabled Clock Buffer SSC.
2. add CPU 28 lanes solution
3. set pcie Link Training Timeout to 10000us

F09

1. fix ME9 random error post code 94h issue

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F08

1. update kernel

F07

1. update SLI string

F06

1. Fixed issue that Lan disabled function fail.

F05

1. Added Slot switch feature.
2. Gbt_SlotOprom_Switch =1, switch slot 1 and 6.
3. Added Fan Curve control

F02

1. Fixed issue that AC Loss fail.

F01

1. Update from D11
2. Setting runtime error log to disable.

D11

1. Fixed issue that system hang on.

D10

1. change i218 firmware
2. update PCh USB mapping

D09

1. Fixed issue that Audio device SSVID always 0.
2. Fixed issue that I218 WOL fail.
3. Fixed issue that HWM string incorrect.

D08

1. Fixed issue that I218 couldn't disabled.
2. Fixed issue that HWM string incorrect.

D07

1. Fixed issue that Voltage is incorrect
2. Fixed issue that oprom disabled item fail.
3. Include Lan uEFI driver.
4. Modified Audio verb table.
5. Fixed issue that NMI Button couldn't working.
6. Chassis open support.
7. TxT support.

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D06

1. update kernel to fix stop 0xAA

D05

1. modify slot name and number

D04

1. fixed disable i218 oprom issue
2. fixed disable i218 control issue
3. fixed S3 resume issue

D02

1. fixed all issue change to D02

D01

1. release DVT

E01

1. first EVT release
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