

BIOS Release Notes

TITLE

SUBJECT: MG30-G10 BIOS Release Notes version [R10](#)
System: [G190-H44](#)

About This Release

Build Date: [2019/12/6](#)
BIOS Checksum: [0x594718A2](#) (8M), [0xCF5AC01B](#) (16M)
Release Owner: Jonas.Hsu

BIOS Components/Contents

Processor stepping(s) supported: supports Intel® Haswell-EP/Broadwell-EP processors
System hardware configurations supported: MG30-G10
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_05](#)

OPROM version :

OPROM	Version
INTEL RAID PACKAGE	RSTe 4.5.0.1333
AST2400 VGA	1.09.00
INTEL 10G PXE	2.3.08

Installation Notes

IMPORTANT NOTES:

1. Please extract the MG30-G10_[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.

[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. Add Leadtek GTX1080TI redriver support.

R07

1. update microcode for Security

R06

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

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R05

1. Fixed issue that CPU report error 0xFF.

R04

1. Fixed issue that CPU hangs 0xff

R02

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

R01

1. RC refresh release first

T05

1. update MRC

T04

1. Update RC 3.00.
2. Update SPS FW 03.01.03.021.0.

F03

1. Fixed SMBIOS to BMC Web UI issue

F02

1. Fixed issue that slot oprom items didn't match M/B slot.

F01

1. Formal release.

D03

1. Modified SATA count
2. Modified PCIe slot count
3. Modified USB count

T02

1. Update RC 1.85.

T01

1. Grantley Refresh
2. Disabled GbtSendIpmbios_SUPPORT

D02

1. Fixed BIOS recovery fail.
 2. Turn off onboard VGA display when display from add-on VGA.
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D01

1. Fixed issue that BIOS recovery hangs on.
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E02

1. Modified issue that PCIe sets x16
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E01

1. First Release.
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