

BIOS Release Notes

TITLE

SUBJECT: 6LASL BIOS Release Notes version [R05](#)

About This Release

Build Date: [2018/3/13](#)

BIOS Checksum: [0x45D09DA9](#) (8M), [0xAE4ADC28](#) (16M)

Release Owner: ian.liu

BIOS Components/Contents

Processor stepping(s) supported: supports Intel® Haswell Refresh processors

System hardware configurations supported: GA-6LASL-RH Rev: [0.1/0.2/1.0](#)

Microcode updates versions:

CPUID	Family	Microcode Update ID
306C1	Haswell Processor A-0	FFFF0013
306C2	Haswell Processor B-0	FFFF0006
306C3	Haswell C-0	00000024
40671	Broadwell-H Processor E-0	0000001D

IPMI support:

AMI Kernel version: [Gbt_Kernel_E14_09](#)

Intel CSI/MRC Package version: [2.5.0.0](#)

SPI Descriptor version: [SPS_EN_03.00.07.013.0_Alpha-D-R-BDW_LPT_REL](#)

OPROM version :

OPROM	Version
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Installation Notes

IMPORTANT NOTES:

1. Please extract the 6LASL_[R05](#).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
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!"

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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 F2 during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

R05

1. Update microcode (M32306C3_0000001C.PDB -> M32306C3_00000024.PDB)
Update microcode (M2240671_FFFF0003.PDB -> M2240671_0000001D.PDB)
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R04

1. Fix force USB boot issue
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R03

1. Update Kernel and Intel RC to 2.5.0.0.
 2. Update SPS FW to "SPS_EN_03.00.07.013.0_Alpha-D-R-BDW_LPT_REL".
 3. Fixd the issue about AC loss.
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R02

1. Add setup menu item to control onboard VGA
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R01

1. Update ME FW to SPS_EN_03.00.05.128.0_PV-D_R_LPT.
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F02

1. Fine-tune USB30 settings.
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F01

1. Add an item "Oboard Lan1 I/O ROM Option" in the setup menu to select "iSCSI" or "PXE" ROM.
2. Correct information of PCIE slots in SMBIOS.

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3. Correct the setup item "Primary Display".

D06

1. [0015944], Fixed the issue "Ceaseless ECC SMI after POST".

D05

1. Modify the hardware monitor.
2. SYS_Fan4 tachometer and item Support.

D04

1. [0015758], Fixed the issue "The user cannot press power button to trigger OS sleep or shutdown".
2. [0015757], Fixed the issue "PCI-E Option ROM function test fail , BIOS PCI-E Option ROM not match M/B print label".
3. Correct SMBIOS information.
4. Update CPU microcode.
5. Fine-tune OpROM shadow behavior.
6. Enable CLTM function.
7. Support. Fan4 tachometer and item.

D03

1. Update setup menu module for E11b kernel code

D02

1. Modify device routing table

D01

1. Add CLTM support to RC.
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