

BIOS Release Notes

TITLE

SUBJECT: 6LISL BIOS Release Notes version [R09](#)

About This Release

Build Date: [2015/8/12](#)

BIOS Checksum: [0x45CC37B9](#) (8M), [0xADEEC680](#) (16M)

Release Owner: ian.liu

BIOS Components/Contents

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

System hardware configurations supported: GA-6LISL-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	0000001D
40671	Broadwell-H Processor E-0, G-0	00000010

IPMI support:

AMI Kernel version: [Gbt_Kernel_E14_20](#)

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

SPI Descriptor version: [SPS_EN_03.00.07.024.0_PV-D-R-BDW_LPT_REL](#)

OPROM version :

OPROM	Version
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Installation Notes

IMPORTANT NOTES:

1. Please extract the 6LISL_[R09](#).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

R09

1. Correct CPU stepping information in setup menu.
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R08

1. hide the Processor Details
 2. solve _SB_: _OSC request failed
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R07

1. Add 4Kn hard disk support.
 2. Enable "NetBootHotKey_SUPPORT" to support net boot.
 3. Disable the function of S3, because the HW design doesn't support S3.
 4. Correct CPU stepping information in setup menu.
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R06

1. Update SPS FW for BMC reading PMBus
 2. Update VBIOS for Broadwell CPU graphic devices.
 3. Update CPU microcode.
 4. Add solution for updating setup menu CPU's name and stepping string.
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R05

1. Update SPS FW to 3.0.7.24.
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R04

1. Enable BIOS fan control function.
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R03

1. Set default output device to onboard VGA.
 2. Set default setting of function "Above 4G Decoding" to disabled.
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R02

1. Fine-tune BIOS for NVIDIA TESLA K40 and GRID K340.
 2. Fine-tune the procedure of OPROM shadow.
 3. Correct SMBIOS information.
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R01

1. Update ME FW to SPS_EN_03.00.05.128.0_PV-D_R_LPT
 2. Fine-tune BIOS settings for NVIDIA GPU cards.
 3. Fine-tune the SIO configuration.
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F05

1. Enable the function of "Above 4G Resource".
 2. Fine-tune the redriver module.
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F04

1. Hide LAN control items in setup menu.
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F03

1. Modify CPU audio device setting
 2. Add "Gbt_BMCRedriver_Support" to support the behavior of "the system reboot when the BMC redriver function is not ready"
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F02

1. Correct the number of memory slot for SMBIOS information.
 2. Enable the SATA driver support.
 3. Remove the option of S3 state from setup menu.
 4. Correct the behavior of VGA switch.
 5. Correct the USB3.0 ports settings.
 6. Fix the issue "The system cannot boot into Linux OS after installation.
 7. Fine-tune the PCIE base address.
 8. Correct the setup menu for SIO configuration.
 9. Correct the number of SATA ports.
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F01

1. Correct the string of BMC MAC address.
 2. Set the default value of "Native PCIE Enable" and "Native ASPM" to Disabled.
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D03

1. Modify ME ICC settings.
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D02

1. add re-driver support.(modify redriver table)

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2. Fine tune setup menu.
3. Sync token.

D01

1. Fixed the issue "the com port is not functional".

E02

1. modify oprom shadow policy
2. remove IR feature
3. GbtNBBoardVga_Support to 0

E01

1. First release for 6LISL(C226)
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