

BIOS Release Notes

TITLE

SUBJECT: 7PESLN BIOS Release Notes version [R13](#)

About This Release

Build Date: [2015/1/14](#)

BIOS Checksum: [0x251BE9AE](#) (4M), [0x4EF6AD9A](#) (8M)

Release Owner: yilun

BIOS Components/Contents

Processor stepping(s) supported: supports Intel® SandyBridge-EP processors

System hardware configurations supported: GA-7PESLN-RH Rev: [0.1/0.2/1.0](#)

Microcode updates versions:

CPUID	Family	Microcode Update ID
206D5	SandyBridge-EP Processor C-0	00000513
206D6	SandyBridge-EP Processor C-1 and M-0	00000619
206D7	SandyBridge-EN -EP Processor C-2 and M-1	00000710
306E2	Ivy Bridge-EP -EX -EN Processor B-1, B-2, L-1, L-2, R-0, and R-1	0000020D
306E3	Ivy Bridge-EP -EX Processor B-3	00000308
306E4	Ivy Bridge -EX -EP -EN Processor C-0, C-1, S-0, S-1, M-0, M-1	00000416
306E6	Ivy Bridge -EX Processor D-0	00000600

IPMI support:

AMI Kernel version: [Gbt_Kernel_F03z7](#)

Intel CSI/MRC Package version: [2.00.03](#)

SPI Descriptor version: [02.01.07.129.2_05](#)

OPROM version :

OPROM	Version
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Installation Notes

IMPORTANT NOTES:

1. Please extract the 7PESLN_[R13](#).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

BIOS Release Notes

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!"
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

R13

1. Fixed issue that system hang on.

R12

1. Modified IO during SMM.

R11

1. Fixed issue that AST1300 HWM couldn't working.

R10

1. Modify memory information on setup menu.

R08

1. Fixed issue that system hang on 0xB0 inserts two CPU.

R07

1. Modified routing setting.

BIOS Release Notes

R06

1. Modified SCU port routing.
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R04

1. Fixed issue that Gateway ip can't setting 0.(BMC M/B)
 2. Changed Enforce DIMM default to Enforce DIS for some Memmory marge.
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R03

1. Fixed issue that system hang on 0xB1 sometimes.
 2. Changed Enforce DIMM default to Enforce EN for some Memmory marge.
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R02

1. Fixed issue that insert non-ECC UDIMM can't booting up.
 2. Fixed issue that system hang on 0x2F post code when inserts sandy Bridge CPU.
 3. Fixed issue that BMC IP shows 48.48.48.48 when changed BMC source first time.(BMC)
 4. Added feature that BMC IP syn on Setup Menu.(BMC)
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R01

1. First Release.
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F13

1. Update SCU oprom to 3.7
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F12

1. System Beep when memory uninstall.
 2. BMC IP can't setting on Setup Menu.
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