

BIOS Release Notes

TITLE

SUBJECT: 7PESVL BIOS Release Notes version [R05](#)

About This Release

Build Date: [2014/3/21](#)

BIOS Checksum: [0x2332AF37](#) (4M), [0x4D0CB2EF](#) (8M)

Release Owner: yilun.tsai

BIOS Components/Contents

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

System hardware configurations supported: GA-7PESVL-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_F03c](#)

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

SPI Descriptor version: [02.01.07.129.2_05](#)

OPROM version :

OPROM	Version
ASPEED VGA	0.97
INTEL I210	1.5.01
INTEL SAS	3.7

Installation Notes

IMPORTANT NOTES:

1. Please extract the 7PESVL_[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

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

R04

- 1.[0017169] fixed setup menu show item issue
- 2.[0017170] fixed I210 PHY control issue

R03

1. Re-Driver modified.

R02

1. Modified SCU port routing.

R01

1. First release.

BIOS Release Notes

T02

1. modify QPI TAP and PCI-E RxEQ value
 2. modify intel sas/sata driven value
 3. modify CPU IOH port3 setup menu setting
 4. add SAS PMC routing
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T01

1. First release.
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