

# BIOS Release Notes

## TITLE

**SUBJECT:** 7PPSP BIOS Release Notes version [R17](#)

### About This Release

**Build Date:** [2014/9/4](#)

**BIOS Checksum:** [0x2373A0F7](#) (4M), [0x4D4D1D00](#) (8M)

**Release Owner:** john

### BIOS Components/Contents

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

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

**Microcode updates versions:**

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

**IPMI support:**

**AMI Kernel version:** [Gbt\\_Kernel\\_F03n](#)

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

**SPI Descriptor version:** [02.01.07.129.2\\_05](#)

**OPROM version :**

OPROM	Version
ASPEED VGA	<a href="#">0.97</a>
INTEL x540	<a href="#">2.1.96</a>
INTEL SATA RAID	<a href="#">4.0.0.1016</a>
INTEL SAS	<a href="#">4.0.0.1016</a>

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the 7PPSP\_[R17](#).zip to a bootable diskette that can boot to real DOS

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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!"
6. Done

### BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\Win32\fb.cmd or \Tool\Win64\fb.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\fb.sh or \Tool\LNx\afulnx64\fb.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

R17

1. fix UDIMM-NONECC issue
2. set power mode to late sates

R16

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

R15

1. Modified SCU port routing.

R14

1. Sets SCU port default to enable.

R13

1. Fixed issue that Gateway ip can't setting 0.(BMC M/B)

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2. Changed Enforce DIMM default to Enforce DIS for some Memmory marge.

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### R12

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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### R11

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

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### R10

1. Improve CPU compatible ability.

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### R09

1. Fix POST keep Press [ESC] key, OPROM hang on POST 0xB2 issue.
2. Modified MRC issue.
3. Oprom shadow policy changed.
4. smbios ipmi information.

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### R08

1. Modified MRC issue.

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### R07

1. System bee sounds when memeory hadn't install.

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### R06

1. Fixed issue that system can't booting when memory error occurs.
- 2.[ 0015920] WOL lan2 can't wake up S4&S5.

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### F11

1. modify setup menu setting

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### R05

1. Fixed issue that Power Button can't wake up.
2. Added feature that Fan policy item when bmc is 1.44 or late
3. BMC version display incorrectly when AC Loss
4. Fixed issue that BMC IP can't setting.
5. Upate Micocode.

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### R04

1. Fixed issue that smbus module can't running on Ivy Bridge.
2. Fixed issue that system hang on when select dymanic pci base
3. Modified BMC ip setting timing.

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R03

1. Sets VT-d Item disabled.

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R02

1. fixed PCIE redriver function issue

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R01

1. uEFI Vga support.
2. Fan Curver support.
3. SOL item issue fixed.
4. VBIOS update to 0.97

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T03

1. for ivy test

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F10

1. support 7PPSP V2.0 for I350

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F09

1. Modified SMBIOS data

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T02

1. Enabled auto switch function.

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T01

1. Ivy Bridge release.

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F05

1. Update SCU oprom to 3.7

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F04

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

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F03

- 1.[0014645] fixed SMBIOS HCT fail

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F01

1. modify PCIE slot1,2,3,4 RXEQ value
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