

# BIOS Release Notes

## TITLE

**SUBJECT:** 6PXSVL BIOS Release Notes version [R03](#)

### About This Release

**Build Date:** [2015/1/9](#)

**BIOS Checksum:** [0x24983353](#) (4M), [0x4E72F7D9](#) (8M)

**Release Owner:** yilun.tsai

### BIOS Components/Contents

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

**System hardware configurations supported:** GA-6PXSVL-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\\_F03g](#)

**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 82599	<a href="#">2.3.06</a>
INTEL SAS	<a href="#">3.7</a>

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the 6PXSVL\_[R03](#).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 Release Notes

### 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

R03

1. Modified IO during SMM.

R02

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

R01

1. First release.