

BIOS Release Notes

TITLE

SUBJECT: 7CPCP BIOS Release Notes version [R04](#)

About This Release

Build Date: [2014/9/16](#)

BIOS Checksum: [0x2A5CEE51](#) (4M), [0x69287690](#) (8M)

Release Owner: yilun.tsai

BIOS Components/Contents

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

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

Microcode updates versions:

CPUID	Family	Microcode Update ID
206D0	SandyBridge EP Processor A0	80000006
206D1	SandyBridge-EN -EP and -EX Processor A1	80000106
206D2	SandyBridge-EN -EP and -EX Processor B0	8000020C
206D3	SandyBridge-EN -EP and -EX Processor B1	80000304
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	0000070D
306E0	IvyTown Processor A-0	00000008
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-EP -EX Processor C-0	0000040D

IPMI support:

AMI Kernel version: [Gbt_Kernel_E19d](#)

Intel CSI/MRC Package version: [20.2](#)

SPI Descriptor version: [02.01.07.129.2_05](#)

OPROM version :

OPROM	Version
ASPEED VGA	0.97

Installation Notes

IMPORTANT NOTES:

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1. Please extract the 7CPCP_R04.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!"
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

R04

1. Fixed issue that 32bit OS couldn't install.

R03

1. Setting SATA Hot plug default to enable.

R02

- 1.[0015726] Fixed issue that AC Loss fail.

R01

1. Ivy Bridge support.

F01

1. First Release.

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T13

1. UUID didn't from LAN mac.

T12

1. Debug LED support.
2. AC loss issue support.
3. PXE oprom can't disabled.

T11

1. Fixed issue that system hang on 0xB0 when reboot test.
2. Fixed issue CPU port1 slot always gen1

T10

- 1.[0014500] Fxied issue that AC Loss can't worked push power button.
2. Added delay time when SOL enabled.

T09

- 1.[0014181] UEFI Windows 2008 R2 S4 wake-up function fails, stop the error message.
- 2.[0014500] BIOS AC back function, can not be changed.

T08

- 1.[0014184] The IPMI chassis policy and BIOS AC-back setting is not synchronized.
- 2.[0014181] UEFI Windows 2008 R2 S4 wake-up function fails, stop the error message for GC-MLIE Lan Card.

T07

1. Auto switch PCIe function support.

T06

1. 0014175, SLP function Check fail
2. 0014298, Press NMI button can not blue screen on Windows

T05

1. 0014151, Power / Sleep LED, Power ON no lighting.
 2. 0014298, NMI Button function support.
 3. 0014304, Setting IOH PCIe Link speed.
 4. 0014182, Can't trigger SERR/PERR.
 5. 0014250, Post display string when administrator password setting.
 6. 0014067, TPM item display.
 7. 0014105, WHCK pass for windows 2012.
 8. 0014246, Fixed issue that Lan Device disapper one.
 9. 0013831, Memory display during POST.
 10. 0014064, SMBIOS type1 incorrect.
 11. 0014221, Lan speed Led string changed from red to amber.
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