

7TEWH1 Channel BIOS Release Notes

TITLE

SUBJECT: 7TEWH1 Channel BIOS Release Notes version [F10](#)

About This Release

Build Date : [8, June 2011](#)
BIOS Checksum : [0x E00AH](#)
Release Owner : [Cloud](#)

BIOS Components/Contents

Processor stepping(s) supported: Supports Intel® Westmere/Nehalem/Gainestown series processors

System hardware configurations supported: 7TEWH1 Rev: 1.2

Microcode update versions:

CPUID	Family	Stepping	Microcode Update ID
106A1	Nehalem-EP	A1	0B
106A2	Nehalem-EP	B0	19
106A4	Nehalem-EP	C1	0F
106A5	Nehalem-EP	D0	11
206C0	Westmere-EP	A0	16
206C1	Westmere-EP	B0	06
206C2	Westmere-EP	B1	13

Phoenix Kernel version : [V1.108](#)

Intel CSI/MRC Package version: [V2.70](#)

SPI Descriptor version: [SPS_01.01.00.004.0](#)

GBIA version : [V0.09](#)

OPROM version :

OPROM	Version
AHCI	V01.07.10
LSI MegaRAID	V1344R
PXE	V1.3.27
iSCSI	V2.2.96

Installation Notes

IMPORTANT NOTES:

1. Please extract the 7TEWH1_[F10](#).zip to a bootable diskette that can boot to real DOS.

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2. Please **must** to use "**SPI_UPD**" tools to flash BIOS for update ME area.
3. Please don't load HIMEM.SYS or any other memory management SW in the diskette.
4. Please **must** to remove **AC power** after flash BIOS for full clear onboard Chipset data.
5. Please **must** to use "**SPI_UPD**"(7TEWH1_F10_ME.zip) tools to flash BIOS "**F10**".

BIOS UPDATE INSTRUCTIONS:

1. Insert bios update diskette to floppy drive.
2. Power on system and wait for boot into DOS.
3. Execute F.BAT for bios update.
4. After bios flash finish, system will reboot automatically.

ME UPDATE INSTRUCTIONS:

1. Please disable ME after set the [GPI 33](#) as low [by Jumper](#)
2. Power on the system and booting into USB Memory stick (Will take a long time)
3. Run the F.bat of "**SPI_UPD**" tools package to update ME and BIOS

BIOS Version CHECK INSTRUCTIONS:

1. Power on system and press F2 during POST
2. Enter CMOS setup utility and go to Main menu
3. The BIOS version shows on the third item

Known Issues/Workarounds

1. H/W need to rework Winbond 83792 **SMBUS** from **5Ch** to **5Eh**. -> [H/W PCB1.0 support](#).
2. CPU temperature information will show negative value at present (Follow Intel CPU PECI SPEC define), If H/W change design as "Thermal Resistor mode" then can show positive value. -> [H/W PCB1.0 support](#).
3. The BIOS Test DTM 1.4 have 2 fail items.
(System- sleep stress with IO and System- Common scenario stress with IO)

Issues fixed in this version

1. The BIOS only support MB Ver1.2 / MB Ver1.0.
2. Update audio codec table for ALC889A(MB Ver1.2) , ALC885A(MB Ver1.0).