PRODUCTS: DG41MJ (Standard BIOS)

BIOS Version 0007

About This BIOS:
- March 6, 2010
- MJG4110H.86A.0007.2010.0306.1149
- VBIOS info:
    - Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK* RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

New Fixes/Features:
- Fixed POST failure with certain PCI graphics card.
- Modified T-segment base address alignment.
- Modified Memory page style to mirror in setup.

BIOS Version 0006

About This BIOS:
- December 23, 2009
- MJG4110H.86A.0006.2009.1223.1155
- VBIOS info:
    - Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

New Fixes/Features:
- Implemented Security Phase 2.
- Fixed display warning messages after installing the INI file generated from Intel® Integrator Toolkit (ITK).
- Fixed issue where certain graphics card shows exceptionally low system memory.
- Fixed issue where system hangs with POST code 51 during the POST with certain keyboard.
- Updated CPU cache & MTRR related code to the latest version.
- Enabled the wake function of EHCI Controller.
- Improved the BBS function.
- Fixed slow boot issue when USB card reader is connected.
- Fixed issue where system does not boot after disabling the Intel Hyper-Threading Technology setting using ITK.

BIOS Version 0005

About This BIOS:
- October 8, 2009
- MJG4110H.86A.0005.2009.1008.1748
- VBIOS info:
    - Build Number: 1718 PC 14.34

*Other names and brands may be claimed as the property of others.

- PXE Nahum info: REALTEK* RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

New Fixes/Features:
- Implemented BIOS downgrade protection.
- Added Hotkey check before input User Password.
- Fixed LAN PCIHCT failure.
- Fixed 64-bit operating system issue with four 4GB memory modules.
- Changed ACPI _PWR method from "4" to "3" for all USB controllers.
- Fixed issue where locking "User Access Level" from Integrator Toolkit does not lock the question in Setup.

BIOS Version 0004

About This Release:
- June 29, 2009
- MJG4110H.86A.0004.2009.0629.1645
- VBIOS info:
  - Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK* RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

Note:
BIOS Supervisor password (if set) is now required to downgrade a BIOS to a previous version.

New Fixes/Features:
- Implemented updates to improve security.
- Updated SMM module version update to 4.6.3_SMM_38.
- Fixed failure to Suspend to RAM/S3 on Fedora* 10 and Ubuntu* 9.04.
- Fixed LAN in S3 resume issue.
- Modified Chassis Intrusion.
- Fixed "Legacy Floppy and USB Flash Drive access from DOS".
- Fixed issue where E7600 processor frequency displayed wrong in BIOS.
- Implemented F7 BIOS Update Tool.
- Fixed issue where USB Keyboard cannot be used to enter Setup when USB ports are disabled.
- Modified EM64T string.
- Fixed issue where missing processor SMBIOS information causes WHQL test failures.
- Fixed issue where after setting the boot menu, the floppy drive disappears in the operating system.
- Fixed issue with WHQL CRASH failure with certain graphics cards.
- Fixed issue where F7 BIOS Update Tool cannot recognize certain ISO9660 images.
- Fixed issue where BIOS boot order disappears after pressing F9 with a BIOS modified by Intel® Integrator Toolkit.
- Fixed issue where the device containing a .BIO file does not appear in Bios Flash Update menu.
- Fixed issue where detect keyboard in DXE phase fails on very rare occasions.
- Fixed ACPI error in Windows* Event Log.
- Fixed issue where POST will wait for user to press F1 key when SMART boot drive is enabled in Setup and a failure occurs.

- Changed the "Boot Device Priority" default boot order in normal mode.

About This BIOS:
- March 13, 2009
- MJG4110H.86A.0003.2009.0313.1434
- VBIOS info: Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK RTL8111D-GR Boot Agent PXE Base Code (PXE-2.1 build 082,V2.20,080826)

New Fixes/Features:
- Fixed issue where system won't auto-power on when "Wake system from S5" is enabled, and then flashing BIOS with reboot parameter.
- Updated POST flash hotkey (F7) to add filename extension filter of BIO.
- Fixed issue that prevented flashing BIO of other platforms under POST flashing (F7).
- Fixed issue where BIOS will stop at check point 0x51/0x50 about 1 minute before boot when populating the USB flash drive.
- Changed help message in POST flashing (F7).
- Added "Configure SATA as" setup option in legacy mode.
- Enhanced POST speed.
- Fixed issue where some 3D Games will hang when using certain graphics cards.
- Fixed issue where detecting keyboard in DXE phase fails on very rare occasions.
- Fixed issue where ACPI error occurs in Windows Event Log.
- Fixed issue where POST will wait for user to press F1 key when SMART boot drive is enabled in Setup and a failure occurs.

About This BIOS:
- January 12, 2009
- MJG4110H.86A.0002.2009.0112.1041
- VBIOS info: Build Number: 1718 PC 14.34
- PXE Nahum info: REALTEK* RTL8111B-GR Boot Agent PXE Base Code (PXE-2.1 build 082)

New Fixes/Features:
- Initial production BIOS release

LEGAL INFORMATION

Information in this document is provided in connection with Intel Products and for the purpose of supporting Intel developed server/desktop boards and systems.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel Corporation may have patents or pending patent applications, trademarks, copyrights, or other intellectual property rights that relate to the presented subject matter. The furnishing of documents and other materials and information does not provide any

*Other names and brands may be claimed as the property of others.