BIOS Update Release Notes

PRODUCTS: DG41RQ (Standard BIOS)

BIOS Version 0017

About This BIOS:

- March 19, 2011
- RQG4110H.86A.0017.2011.0322.1523
- 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 using OA2Intel.exe ERASE command does not remove the SLIC table.

BIOS Version 0016

About This BIOS:

- January 19, 2011
- RQG4110H.86A.0016.2011.0119.0935
- 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 users do not have view access to the bios if a supervisor password is set and user access is set to no access but the password is left as NULL.

BIOS Version 0015

About This BIOS:

- June 14, 2010
- RQG4110H.86A.0015.2010.0614.1352
- 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 compatibility issue with USB wireless keyboard.
- Fixed SMBIOS issue for Processor Family.
- Fixed issue where system hangs when executing the command "itoolkit ext -config" with the parameter of "DEVICE=HIMEM.SYS /testmem:on" in config.sys.

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

BIOS Version 0014

About This BIOS:

- March 6, 2010
- RQG4110H.86A.0014.2010.0306.1151
- 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:

1. Fixed POST failure with certain PCI graphics card.
2. Modified T-segment base address alignment.
3. Modified Memory page style to mirror in setup.
5. Fixed no video display issue with certain graphics card.

BIOS Version 0013

About This BIOS:

- December 23, 2009
- RQG4110H.86A.0013.2009.1223.1136
- 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 with certain keyboard.
- Updated CPU cache and 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 0012

About This BIOS:

- November 6, 2009
- RQG4110H.86A.0012.2009.1106.1345
- 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 BIOS downgrade protection.
- Added check Hotkey before input User Password.
- Fixed LAN PCIHCT failure.
- Fixed operating system issue with four 4GB memory modules.

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

- Change ACPI _PWR method from "4" to "3" for all USB controllers.
- Fixed issue where locking "User Access Level" from Intel® Integrator Toolkit does not lock the question in Setup.

BIOS Version 0011

About This Release:

- June 26, 2009
- RQG4110H.86A.0011.2009.0626.1639
- 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.

BIOS Version 0010

About This BIOS:

- April 08, 2009

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

- RQG4110H.86A.0010.2009.0408.1515
- 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 an issue where the setting for "Wake system from S5" was not being handled properly during a BIOS flash update.
- Fixed an issue where the system would have an extended pause during boot when a USB flash drive was installed.
- Added the "Configure SATA as" setup option in legacy mode.
- Fixed an issue where some 3D Games would hang if certain 3rd party video adapters were installed.
- Fixed and issue where ISO files were not listed properly when using the F7 BIOS update method
- Fixed and issue where and ACPI error would be logged in Windows Event Viewer under certain conditions.
- Corrected the "Boot Device Priority" default boot order in normal mode.
- Fixed an issue where a USB Keyboard could not be used to enter setup when all USB ports were disabled.

BIOS Version 0009

About This BIOS:

- JAN.08, 2009
- RQG4110H.86A.0009.2009.0108.1005
- VBIOS info: Build Number: 1666 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 UEFI boot issue.
- Enabled AC97 FP audio in MFG mode.

Known Errata:

BIOS Version 0007

About This BIOS:

- December 25, 2008
- RQG4110H.86A.0007.2008.1225.0944
- VBIOS info: Build Number: 1666 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:

- Initial production BIOS release

LEGAL INFORMATION

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

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 license, express or implied, by estoppel or otherwise, to any such patents, trademarks, copyrights, or other intellectual property rights. Intel products are not intended for use in medical, life saving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

Intel is a trademark of Intel Corporation in the US and other countries.
Copyright (c) 2011 Intel Corporation.

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