



BIOS Update Release Notes

PRODUCTS: DQ87PG (Standard BIOS)

BIOS Version 0145 - PGQ8710H.86A.0145.2014.0218.1509

About This Release:

- Date: February 18, 2013
- Visual BIOS: 2.1.5 Production Candidate Build
- ME Firmware: 9.0.20.1447
- Integrated Graphics
 - Option ROM: Build 2177 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1403 PXE 2.1 Build 091
 - UEFI Driver: 5.1.00
- SATA RAID Option ROM: v12.0.0.1783
- MEBx Code: Based on Version 9.0.0.0025
- UEFI revision: 2.3.1

Note:

BIOS version 0139 added support for Microsoft* Windows* 8.1. After updating to version 0139 or later, you will not be able to downgrade to version 0036 or earlier. The following warning message will display: This BIOS is not allowed to downgrade reversion, but system will do reset in 20 seconds automatically.

New Fixes/Features:

- Updated Fan Speed Control.
- Fixed issue where Hard Disk Drive Password length did not match the specification.
- Fixed issue where Linux SteamOS* does not boot.
- Improved EFI variable protection for Setup variable.
- Fix issue where some UEFI operating systems cannot be installed.

BIOS Version 0144 - PGQ8710H.86A.0144.2014.0113.1604

About This Release:

- Date: January 13, 2013
- Visual BIOS: 2.1.5 Production Candidate Build
- ME Firmware: 9.0.20.1447
- Integrated Graphics
 - Option ROM: Build 2177 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1403 PXE 2.1 Build 091
 - UEFI Driver: 5.1.00
- SATA RAID Option ROM: v12.0.0.1783
- MEBx Code: Based on Version 9.0.0.0025

Note:

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

BIOS version 0139 added support for Microsoft* Windows* 8.1. After updating to version 0139 or later, you will not be able to downgrade to version 0036 or earlier. The following warning message will display: This BIOS is not allowed to downgrade reversion, but system will do reset in 20 seconds automatically.

New Fixes/Features:

- Fixed issue with WHCK TPM 1.2 TCG Physical Presence Interface 1.2 Test.
- Fixed Power button menu (3 beep) issue with external graphics.

BIOS Version 0143 - PGQ8710H.86A.0143.2013.1227.1921

About This Release:

- Date: December 27, 2013
- Visual BIOS: 2.1.5 Production Candidate Build
- ME Firmware: 9.0.20.1447
- Integrated Graphics
 - Option ROM: Build 2177 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1403 PXE 2.1 Build 091
 - UEFI Driver: 5.1.00
- SATA RAID Option ROM: v12.0.0.1783
- MEBx Code: Based on Version 9.0.0.0025

Note:

BIOS version 0139 added support for Microsoft* Windows* 8.1. After updating to version 0139 or later, you will not be able to downgrade to version 0036 or earlier. The following warning message will display: This BIOS is not allowed to downgrade reversion, but system will do reset in 20 seconds automatically.

New Fixes/Features:

- Fixed issue where external graphics card shows no video if Legacy Boot is disabled and UEFI is enabled.
- Added Mini-PCIe Slot setup item.
- Fixed issue where DisplayPort output is lost.
- Removed TXT setup item for board revisions -401 and -402.

BIOS Version 0142 - PGQ8710H.86A.0142.2013.1125.1531

About This Release:

- Date: November 25, 2013
- Visual BIOS: 2.1.5 Production Candidate Build
- ME Firmware: 9.0.20.1447
- Integrated Graphics
 - Option ROM: Build 2177 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1403 PXE 2.1 Build 091
 - UEFI Driver: 5.1.00
- SATA RAID Option ROM: v12.0.0.1783
- MEBx Code: Based on Version 9.0.0.0025

Note:

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

BIOS version 0139 added support for Microsoft* Windows* 8.1. After updating to version 0139 or later, you will not be able to downgrade to version 0036 or earlier. The following warning message will display: This BIOS is not allowed to downgrade reversion, but system will do reset in 20 seconds automatically.

New Fixes/Features:

- Added "Hard Disk Pre-Delay" setup item.
- Updated Visual BIOS to version 2.1.5.

BIOS Version 0141 - PGQ8710H.86A.0141.2013.1111.1348

About This Release:

- Date: November 11, 2013
- Visual BIOS: 2.0.23 Production Candidate Build
- ME Firmware: 9.0.20.1447
- Integrated Graphics
 - Option ROM: Build 2177 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1403 PXE 2.1 Build 091
 - UEFI Driver: 5.1.00
- SATA RAID Option ROM: v12.0.0.1783
- MEBx Code: Based on Version 9.0.0.0023

Note:

BIOS version 0139 added support for Microsoft* Windows* 8.1. After updating to version 0139 or later, you will not be able to downgrade to version 0036 or earlier. The following warning message will display: This BIOS is not allowed to downgrade reversion, but system will do reset in 20 seconds automatically.

New Fixes/Features:

- Fixed USB device notification and ejection not working issue.
- Changed the iFlash/F7 block rule for warning message pop-ups.

BIOS Version 0139 - PGQ8710H.86A.0139.2013.1014.1838

About This Release:

- Date: October 14, 2013
- Visual BIOS: 2.0.23 Production Candidate Build
- ME Firmware: 9.0.20.1447
- Integrated Graphics
 - Option ROM: Build 2177 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1403 PXE 2.1 Build 091
 - UEFI Driver: 5.1.00
- SATA RAID Option ROM: v12.0.0.1783
- MEBx Code: Based on Version 9.0.0.0023

Note:

BIOS version 0139 adds support for Microsoft* Windows* 8.1. After updating to version 0139 or later, you will not be able to downgrade to version 0036 or earlier. The following warning message will display: This BIOS is not allowed to downgrade reversion, but system will do reset in 20 seconds automatically.

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

New Fixes/Features:

- Updated VBIOS to version 2177 and GOP to version 5.0.1034.
- Updated processor support.
- Updated Intel® ME firmware to version 9.0.20.1447.
- Changed VT-d support to be dependent on CPU installed.
- Changed DVMT default setting to 32 MB.
- Updated Secure Boot module.
- Fixed Fast Boot issue where question still can be selected after the User Password or Hard Disk Drive Password is installed.
- Fixed issue where folder names are incorrect in F7 update.
- Modified XHCI and EHCI USB port mapping.
- Updated hard drive password length from "2-8" to "2-19".
- Updated Flash BIOS warning message.
- Updated Cooling page Temperatures item.
- Updated settings if CPU does not support Turbo boost Technology:
 - "OCA for Processor" and "Maximum Processor Core Ratio" will gray out.
 - "Intel Turbo Boost Technology" will be set to "disable" and hidden.
 - "Burst Mode Power Limit", "Burst Mode Power Limit (Watts)", "Sustained Mode Time (Seconds)", "Sustained Mode Power Limit (Watts)" will be hidden.
- Fixed issue with Wake on LAN.
- Added "RestoreSpecialBootOptions" module.
- Fixed issue where the [F3] DISABLE FAST BOOT prompt does not display and system does a BIOS recovery when selecting F3.
- Fixed issue where system does not halt when password is entered incorrectly three times and Ctrl+Alt+Del still works.
- Fixed issue where if Supervisor Password is installed and Supervisor Password is not required to continue post when Chassis Intrusion is set to log only.
- Fixed SATA speed display in Setup boot order menu.
- Fixed key issues for Config Mode menu.
- Fixed issue where Power LED still blinks when no video is detected even when set to "NO VIDEO DETECTED ERROR BEEPS".
- Fixed Cooling Assistant bar functionality.

BIOS Version 0036 - PGQ8710H.86A.0036.2013.0702.1908

About This Release:

- Date: July 2, 2013
- Visual BIOS: 2.0.23 Production Candidate Build
- ME Firmware: 9.0.2.1345
- Integrated Graphics
 - Option ROM: Build 2170 PC 14.34
 - UEFI Driver: 5.0.1025
- LAN
 - Option ROM: v1403 PXE 2.1 Build 091
 - UEFI Driver: 5.1.00
- SATA RAID Option ROM: v12.0.0.1783
- MEBx Code: Based on Version 9.0.0.0023

New Fixes/Features:

- Fixed issue where Cooling Assistant does not work in Visual BIOS.

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

- Fixed issue with SATA port display string in Boot menu.
- Fixed issue where Graphics Voltage Target Multiplier (V) item should be removed.
- Fixed issue where USB3.0 hard drives can be detected when all USB3.0 ports are set to "No detect".
- Fixed WHQL issues for SMBIOS HCT and USB Exposed Port System Test.

BIOS Version 0035 - PGQ8710H.86A.0035.2013.0606.1800 Released
--

About This Release:

- Date: June 6, 2013
- Visual BIOS: 2.0.23 Production Candidate Build
- ME Firmware: 9.0.2.1345
- Integrated Graphics
 - Option ROM: Build 2170 PC 14.34
 - UEFI Driver: 5.0.1025
- LAN
 - Option ROM: v1403 PXE 2.1 Build 091
 - UEFI Driver: 5.1.00
- SATA RAID Option ROM: v12.0.0.1783
- MEBx Code: Based on Version 9.0.0.0023

New Fixes/Features:

- Fixed issue where custom logo is not kept after BIOS recovery.
- Fixed issue where logo will not display during Recovery.
- Fixed issue where if Hard Drive Password Prompt is disabled, BIOS will never prompt for a Hard Drive password unless attempting to boot to a drive with a User Hard Drive Password installed.
- Added BIOS Recovery beep support.
- Fixed issue where boot priority in UEFI mode is changed after rebooting from the operating system.
- Added support to use ITK Custom Boot Order as the Default Boot Order.
- Fixed BIOS Config Menu display strings when secure jumper is removed.
- Fixed the F3 Disable Fast boot function when the Power Button menu is displayed.
- Fixed the unsupported password key character warning beep.
- Updated Visual BIOS to version 2.0.23.
- Updated processor support.
- Fixed issue where Cooling Assistant does not work in Visual BIOS.
- Fixed issue with screen capture in Visual BIOS.
- Fixed issue where there is no illustration for the back panel.
- Fixed issue where some items display abnormally in ITK 5.0.
- Fixed SMBIOS DIMM information.
- Changed Setup item string [C6/C7 C-state] to [Lowest CPU Idle Power Setting].
- Added XTU improvement.
- Fixed issue where IGD Primary Video output shows incorrectly under UEFI only mode.
- Fixed IGD Minimum Memory issue.
- Fixed issue with Internal UEFI Shell.
- Fixed issue where HDD Passwords are still required when setting disabling Hard Disk Drive Password Prompt.

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

- Modified PCH deep S4/S5.
- Fixed issue where LEDs have the different state as when the platform is in S3.
- Fixed issue where the SATA Ports' location shown in "SATA Devices" does not match the board.
- Added Ctrl+P display and setup item.
- Changed the default value of POST Code Routing item to LPC Debug Header.
- Fixed issue where switching to text BIOS setup does not work with SOL.
- Fixed issue where PCI LAN card cannot wake system from S3, S4.
- Fixed issue where PCI modem cannot wake system from S3.
- Implemented C6/C7 C-state support.
- Added support for PCH deep S4/S5.
- Fixed issue with Active Processor Cores.
- Fixed issue with HDD password length.

PGQ8710H.86A.0030.2013.0403.1355 Released Candidate BIOS

About This Release:

- Date: April 3, 2013
- Visual BIOS: 2.0.17 Beta Build
- ME Firmware: 9.0.1.1345
- Integrated Graphics
 - Option ROM: Build 2170 PC 14.34
 - UEFI Driver: 5.0.1025
- LAN
 - Option ROM: v1403 PXE 2.1 Build 091
 - UEFI Driver: 5.1.00
- SATA RAID Option ROM: v12.0.0.1783
- MEBx Code: Based on Version 9.0.0.0023

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 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.

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

Intel is a trademark of Intel Corporation in the US and other countries.
Copyright (c) 2013 Intel Corporation.

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