BIOS Update Release Notes

PRODUCTS: DQ87PG (Standard BIOS)

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:
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

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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.

New Fixes/Features:

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- 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.
- Fixed issue with SATA port display string in Boot menu.

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- 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.
- Modified PCH deep S4/S5.

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- 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

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