



BIOS Update Release Notes

PRODUCTS: DG43GT (Standard BIOS)

BIOS Version 0035 - GTG4310H.86A.0035.2010.01006.1525

About This Release:

- October 06, 2010
- ME Firmware: 5.2.0.1002
- Memory Reference Code: Based on Revision 2.81
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 1800 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.53 IBA GE Slot 00C8 v1353 PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:

- Updated PXE Rom to v1353 PXE 2.1 Build 089.
- Fixed issue where multiple versions of the "Wake on LAN from S5" question exist in BIOS Setup.
- Fixed issue where system hangs with 8 GB memory and certain graphics card.
- Fixed issue where system only powers on when pressing the power button twice after power failure.
- Fixed issue with no display using certain PCI Express graphics card.

BIOS Version 0033 - GTG4310H.86A.0033.2010.0818.1415

About This Release:

- August 18, 2010
- ME Firmware: 5.2.0.1002
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 1800 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent v1.3.38 IBA GE Slot 00C8 v1338 PXE Base Code (PXE-2.1 build 088)

New Fixes/Features:

- Downgraded VBIOS to 1800 PC 14.34 from 2011 PC 14.34
- Fixed issue where S3 resume fails when using four 4GB DIMMs.

BIOS Version 0031 - GTG4310H.86A.0031.2010.0406.1752

About This Release:

- April 06, 2010
- ME Firmware: 5.2.0.1002
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 2011 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent v1.3.38 IBA GE Slot 00C8 v1338 PXE Base Code (PXE-2.1 build 088)

New Fixes/Features:

- Updated VBIOS Build Number to 2011 PC 14.34

New Fixes/Features:

- Fixed issue where BIOS Setup is inconsistent on memory.
- Fixed intermittent issue where operating system boot screen appears scrambled.
- Fixed issue where USB device causes lookup in Pre-Windows* environment.
- Set Flex module minimum space 60kB.
- S3 resume less than 2 second.
- Added support for AHCI mode.

BIOS Version 0029 - GTG4310H.86A.0029.2010.0225.2003

About This Release:

- February 25, 2010
- ME Firmware: 5.2.0.1002
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 1985 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent v1.3.38 IBA GE Slot 00C8 v1338 PXE Base Code (PXE-2.1 build 088)

New Fixes/Features:

- Updated ME F/W version to 5.2.0.1002
- Updated VBIOS version to 1985 PC 14.34

BIOS Version 0028 - GTG4310H.86A.0028.2010.0108.1147

About This Release:

- January 08, 2010
- ME Firmware: 5.0.2.1129
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 1800 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent v1.3.38 IBA GE Slot 00C8 v1338 PXE Base Code (PXE-2.1 build 088)

New Fixes/Features:

- Fixed QST update configuration issue.
- Implemented security phase 2 features.
- Modified feature where user can't press Ctrl+Alt+Del to reset system with invalid password.
- Set VT item to be enabled by default.
- Fixed issue where system can't wake from S4 when "wake on Lan in S5" is set to disable.
- Updated chassis intrusion feature so password prompt is required.
- Updated PXE ROM version to 1.3.38
- Removed floppy configuration and PAVP Mode from .ITK file.
- Added feature where BIOS Supervisor password (if set) is required to downgrade a BIOS to a previous version.
- Added feature when updating the same QST Configuration payload for second time, it should show "Configuration has successfully delivered to QST".
- Fixed issue when user password user access level are set, F10 and F12 function still can work.

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

- Updated QST payload value, Modify TemperatureLimit value from -5.00 to 0.00.

BIOS Version 0027 - GTG4310H.86A.0027.2009.1218.1048

About This Release:

- December 18, 2009
- ME Firmware: 5.0.2.1129
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 1800 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent v1.3.31 IBA GE Slot 00C8 v1331 PXE Base Code (PXE-2.1 build 086)

New Fixes/Features:

- Removed iFlash2 non-reboot feature.
- Fixed issue where system S3 fails.
- Fixed QST Configuration issue when running QSTBIOS -W command.
- Removed HDD password function.
- Modified chassis fan detection behavior.
- Updated QST default payload value.
- Modified default value of fan detection.

BIOS Version 0024

About This Release:

- September 21, 2009
- GTG4310H.86A.0024.2009.0921.1022
- ME Firmware: 5.0.2.1129
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 1800 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent v1.3.31 IBA GE Slot 0000 v1331 PXE Base Code (PXE-2.1 build 086)

New Fixes/Features:

- Fixed issue where Flex module is missing from .ITK file.
- Fixed issue where system will show "monitor not found" when using certain VGA cards.
- Fixed issue with VRM noise.

BIOS Version 0022

About This Release:

- August 26, 2009
- GTG4310H.86A.0022.2009.0826.1219
- ME Firmware: 5.0.2.1129
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 1800 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent v1.3.31 IBA GE Slot 0000 v1331 PXE Base Code (PXE-2.1 build 086)

New Fixes/Features:

- Fixed issue where system will show "monitor not found" when using certain VGA card.

BIOS Version 0021

About This Release:

- August 04, 2009
- GTG4310H.86A.0021.2009.0804.1759
- ME Firmware: 5.0.2.1129
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 1800 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent v1.3.31 IBA GE Slot 0000 v1331 PXE Base Code (PXE-2.1 build 086)

New Fixes/Features:

- Set default of fan detection to Disable.
- Updated Video BIOS to version 1800.
- Modified on-board devices string of SMBIOS.
- Implemented iQST feature.
- Implemented updates to improve security.
- Fixed issue where system BIOS doesn't display splash screen after input of user password.

BIOS Version 0019

About This BIOS:

- June 25, 2009
- GTG4310H.86A.0019.2009.0625.1334
- ME Firmware: 5.0.2.1129
- MEBx Code: Based on Version 5.0.5.0004
- Integrated Graphics Option ROM: Build 1760 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent v1.3.31 IBA GE Slot 0000 v1331 PXE Base Code (PXE-2.1 build 086)

New Fixes/Features:

- Initial production BIOS release

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