PRODUCTS: DG45ID, DG45FC (Standard BIOS)

BIOS Version 0129

About This Release:
- April 08, 2010
- IDG4510H.86A.0129.2010.0408.0910
- ME Firmware Revision: 1129 SKU4
- Integrated Graphics Option ROM Revision: 1940
- SATA RAID Option ROM Revision: 8.8.0.1009
- PXE LAN Option ROM Revision: Intel(R) Boot Agent GE v1.3.27

New Fixes/Features:
- Added feature in BIOS to enable/disable CPU C-State.
- Added option for "Power On - PXE Boot" for the Wake On LAN S5 option in BIOS.
- Fixed issue where an error appears in Device Manager for certain graphics cards.
- Updated USB regarding code to support up to 30 USB devices.
- Added feature in BIOS to Enable/Disable CPU C1E.

BIOS Version 0127

About This Release:
- February 09, 2010
- IDG4510H.86A.0127.2010.0209.1609
- ME Firmware Revision: 1129 SKU4
- Integrated Graphics Option ROM Revision: 1940
- SATA RAID Option ROM Revision: 8.8.0.1009
- PXE LAN Option ROM Revision: Intel(R) Boot Agent GE v1.3.27

New Fixes/Features:
- Fixed issue where system boots slowly with 8GB memory.
- Fixed issue where the User Password should be checked while when a chassis intrusion error occurs.
- Fixed issue where system halts at "E9" after entering 20 characters for both SUPERVISOR and USER password.
- Fixed issue where some PCIe X1 LAN cards cannot be used in Windows.
- Fixed issue where system does not boot to the operating system when using certain graphics cards.
- Fixed issue where system takes a long time to boot to a 64-bit operating system.
- Updated the VBIOS to revision 1940.
- Fixed issue where system hangs while executing the command "itoolkit ext -config" with the parameter of "DEVICE=HIMEM.SYS /testmem:on" in config.sys.
- Corrected the error value of PCIEX_LENGTH.
- Removed non-reboot iFlash update method.
- Updated the QST Thermal pro-file.

- Fixed issue where the available memory in Windows should not less than 3030MB when using certain graphics cards with 4GB memory.
- Fixed issue where multi-monitor cannot pass the PCIE x1 Video test with certain PCIe x1 graphic cards.
- Implemented Security Phase-2 requirements.

BIOS Version 0117

About This Release:
- September 27, 2009
- IDG4510H.86A.0117.2009.0927.1107
- ME Firmware Revision: 1129 SKU4
- Integrated Graphics Option ROM Revision: 1800
- SATA RAID Option ROM Revision: 8.8.0.1009
- PXE LAN Option ROM Revision: Intel(R) Boot Agent GE v1.3.27

New Fixes/Features:
- Fixed issue where the system would be unrecoverable if unsuitable manual memory settings are used.
- Fixed issue where system is unable to boot to hard drive when Boot Type is set to Advanced.
- Fixed issue where Express BIOS Update in silent mode fails in Windows* Vista with Service Pack 2.
- Fixed issue where the BIOS Setup Compliance Test failed.
- Fixed issue with POST code 51 when using certain wireless keyboard.

BIOS Version 0113

About This Release:
- August 04, 2009
- IDG4510H.86A.0113.2009.0804.1430
- ME Firmware Revision: 1129 SKU4
- Integrated Graphics Option ROM Revision: 1800
- SATA RAID Option ROM Revision: 8.8.0.1009
- PXE LAN Option ROM Revision: Intel(R) Boot Agent GE v1.3.27

New Fixes/Features:
- Fixed inductance noise issue.

BIOS Version 0111

About This Release:
- July 22, 2009
- IDG4510H.86A.0111.2009.0722.1709
- ME Firmware Revision: 1129 SKU4
- Integrated Graphics Option ROM Revision: 1800
- SATA RAID Option ROM Revision: 8.8.0.1009
- PXE LAN Option ROM Revision: Intel(R) Boot Agent GE v1.3.27

New Fixes/Features:
- Updated options strings for Intel® Integrator Toolkit (ITK).
- Implemented updates to improve security.
- Added an option of Hide All for Expansion Card Text item in setup.
- Added UQI Token for ITK test.

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

- Changed "Detect Missing Fans" option text sequence.
- Fixed issue where User Access level could not be locked by ITK.
- Updated processor support.

BIOS Version 0107

About This Release:
- June 24, 2009
- IDG4510H.86A.0107.2009.0624.1357
- ME Firmware Revision: 1129 SKU4
- Integrated Graphics Option ROM Revision: 1800
- SATA RAID Option ROM Revision: 8.6.0.1009
- PXE LAN Option ROM Revision: Intel(R) Boot Agent GE v1.3.27

New Fixes/Features:
- Updated VBIOS to V1800.
- Updated PXE boot agent to Intel Boot Agent v1.3.27.
- Added feature to turn on/off display of F2, F7, F10 & F12 prompts.
- Removed HD Audio option in BIOS Setup.

Note:
You cannot customize the display of the F2, F7, F10 & F12 prompts using Intel® Integrator Toolkit. This issue will be fixed in a future BIOS release.

BIOS Version 0101

About This BIOS:
- May 26,2009
- IDG4510H.86A.0101.2009.0526.1006
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1129 SKU4
- MEBx Version: 5.0.5.0004
- VBIOS Version: 1785
- RAID Option Rom version: 8.8.0.1009.

New Fixes/Features:
- Fixed issue where E7600 processor frequency displays incorrectly in BIOS.
- Updated VBIOS Version from 1760 to 1785.
- Fixed issue where system won't boot when two SATA CD-ROMs are attached.
- Fixed issue where F7 flash update utility shows more than just .BIO files.
- Fixed issue where LAN S3 resume shouldn't light the screen.
- Modified BIOS Setup to display long words in multi-line.

Note
After updating to BIOS version 0091 or later, you cannot down rev the BIOS to version 0083 using iflash.exe. You must use the BIOS Recovery method.

BIOS Version 0097

About This BIOS:

- April 28, 2009
- IDG4510H.86A.0097.2009.0428.1627
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1129 SKU4
- MEBx Version: 5.0.5.0004
- VBIOS Version: 1760
- RAID Option Rom version: 8.8.0.1009.

New Fixes/Features:
- Fixed issue with product ID check to allow recovery to any version.
- Fixed shutdown issue related to resume from S3.
- Fixed issue with unexpected Heceta device.

Note
After updating to BIOS version 0091 or later, you cannot down rev the BIOS to version 0083 using iflash.exe. You must use the BIOS Recovery method.

BIOS Version 0095

About This BIOS:
- April 16, 2009
- IDG4510H.86A.0095.2009.0416.1511
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1129 SKU4
- MEBx Version: 5.0.5.0004
- VBIOS Version: 1760
- RAID Option Rom version: 8.8.0.1009.

New Fixes/Features:
- Fixed iQST full requirement.
- Fixed issue where F7 BIOS update does not recognize ISO9660 format.
- Fixed issue with USB emulation type.
- Fixed issue where system will not boot with Xeon processor X3220 installed.
- Fixed issue where SMBIOS HCT test fails.

Note
After updating to BIOS version 0091 or later, you cannot down rev the BIOS to version 0083 using iflash.exe. You must use the BIOS Recovery method.

BIOS Version 0093

About This BIOS:
- April 02, 2009
- IDG4510H.86A.0093.2009.0402.2013
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1129 SKU4
- MEBx Version: 5.0.5.0004
- VBIOS Version: 1760
- RAID Option Rom version: 8.8.0.1009.

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New Fixes/Features:

- Fixed an issue where certain eSATA drives were not automatically detected in Microsoft* Windows* Vista.
- Fixed an issue where .ISO files were not available when attempting to update the BIOS using the F7 key.
- Fixed an issue where WHQL testing could fail with certain adapters installed in the PCIe x1 slot.
- Fixed an issue where the system fans would speed up and slow down unexpectedly.

Note

After updating to BIOS version 0091 or later, you cannot down rev the BIOS to version 0083 using iflash.exe. You must use the BIOS Recovery method.

BIOS Version 0091

About This BIOS:

- March 09, 2009
- IDG4510H.86A.0091.2009.0309.1939
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1096 SKU4
- MEBx Version: 5.0.5.0004
- VBIOS Version: 1704
- RAID Option Rom version: 8.6.0.1007.

New Fixes/Features:

- Fixed several fan surging issues.
- Fixed an issue where the BIOS Setup log will show an error when EFI Event Logging is set to Disabled.
- Fixed an issue where the system could fail WHQL testing with certain video adapters.
- Fixed an issue where an ACPI error is logged in the Windows Event Log.
- Changed the default boot order to CD, Floppy, HDD, Network.
- Fixed an issue where there is no video when the system is brought out of sleep mode (S3) by pressing the power button.
- Fixed an issue where the BIOS boot order disappears after pressing F9 with ITKFE modified BIOS.

Note:

After updating to BIOS version 0091 or later, you cannot down rev the BIOS to version 0083 using iflash.exe. You must use the BIOS Recovery method.

BIOS Version 0089

About This BIOS:

- January 09, 2008
- IDG4510H.86A.0089.2009.0109.1533
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1096 SKU4
- MEBx Version: 5.0.5.0004
- VBIOS Version: 1704
- RAID Option Rom version: 8.6.0.1007.

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

New Fixes/Features:
- Fixed issue where Intel® Desktop Utilities shows incorrect values for memory.
- Fixed issue where operating system fails to load when using a PCI recovery card.
- Updated BIOS to allow for headless operation.
- Updated power management for Vista* Away Mode.
- Fixed issue where changes to settings in Set Sensor Threshold page will revert to default value after system reboot.
- Fixed issues where QST unlock and fan detection do not work properly.
- Fixed issue where system does not boot with certain HD graphics cards.
- Fixed issue where nothing is displayed on the monitor when set for wake from S3 by power button.
- Fixed issue where hard drive pre-delay does not work.
- Corrected the ICH10 Temperature Reading method from IQST.
- Fixed issue with secondary fan detection.
- Updated to use iflash2.exe as the BIOS update tool in this BIOS package.

BIOS Version 0087

About This BIOS:
- November 27, 2008
- IDG4510H.86A.0087.2008.1127.1739
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1096 SKU4
- MEBx Version: 5.0.5.0004
- VBIOS Version: 1704
- RAID Option Rom version: 8.6.0.1007.

New Fixes/Features:
- Updated iQST profile.
- Fixed issue where Vista* resume behavior is different in IDE and RAID mode.
- Fixed issue where BIOS does not have chassis type pre-programmed.
- Fixed issue where no PECI information is displayed for Celeron 4xx CPUs.
- Fixed issue where AMT-related settings appear in BIOS - causing error at boot.
- Fixed boot error with certain graphics card is installed.
- Fixed issue where BIOS language switches to French if using F9.
- Fixed issue where Intel® Desktop Utilities shows incorrect value for memory slots
- Fixed issue where iQST always locks.
- Fixed issue where POST is very slow if ME or iQST is disabled in MEBx.
- Fixed issue where system seems to hang when you enter Hardware Monitoring in BIOS setup if ME or iQST is disabled.
- Fixed issue where Ctrl-P prompt disappears if Intel ME is enabled/disabled several times.
- Fixed bouncing ball XML issue.
- Updated the VBIOS from 1702 to 1704.

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

- Updated the chipset code to 1.04.

BIOS Version 0085

About This BIOS:
- October 29, 2008
- IDG4510H.86A.0085.2008.1029.1208
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1096 SKU4
- MEBx Version: 5.0.5.0004
- VBIOS Version: 1702
- RAID Option Rom version: 8.6.0.1007.

Note: If you currently have BIOS version 0079 installed, you must use either the iFlash or Recovery update method to update to a later version. The Express BIOS Update will not work.

New Fixes/Features:
- Updated VBIOS to from 1659 to 1702.
- Updated ME firmware from 1087 to 1096.
- Updated RAID OPROM from 8.0.0.1039 to 8.6.0.1007.
- Updated iQST thermal profile.
- Removed "PROCHOT" in hardware monitor page.

BIOS Version 0083

About This BIOS:
- October 23, 2008
- IDG4510H.86A.0083.2008.1023.1142
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1087 SKU4
- MEBx Version: 5.0.5.0003
- VBIOS Version: 1659

Note: If you currently have BIOS version 0079 installed, you must use either the iFlash or Recovery update method to update to a later version. The Express BIOS Update will not work.

New Fixes/Features:
- Changed the processor temperature string.
- Changed the PAVP mode default setting to "Lite".
- Updated iQST performance.

BIOS Version 0081

About This BIOS:
- October 10, 2008
- IDG4510H.86A.0081.2008.1010.1109
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1087 SKU4
- MEBx Version: 5.0.5.0003
- VBIOS Version: 1659

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

Note: If you currently have BIOS version 0079 installed, you must use either the iFlash or Recovery update method to update to a later version. The Express BIOS Update will not work.

New Fixes/Features:
- Fixed issue where operating system fails to load when on-board video driver and PCIe x16 graphic card are applied.
- Added fault tolerance feature.
- Updated chipset code.
- Updated MRC code update to 2.5.
- Fixed issue that EFI operating system can not be installed when set to RAID mode.
- Fixed issue that system will have a very poor performance when boot with 8 GB memory and PCIE X16 graphic card.
- Fixed issue where system will restart when plugging memory card (MS,SM,SD,CF) into a card reader.
- Fixed issue with no display when using certain graphics card.
- Added patch for the issue of GATE A20 can not open.
- Fixed issue where system won't warm boot with certain optical drives.

BIOS Version 0079

About This BIOS:
- September 09, 2008
- IDG4510H.86A.0079.2008.0909.1651
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1087 SKU4
- MEBx Version: 5.0.5.0003
- VBIOS Version: 1659

New Fixes/Features:
- Updated the MRC from 2.10 to 2.40.
- Updated the NVRAM module.
- Changed PAVP mode default setting to "Lite".
- Added memory voltage support.
- Updated the chipset code to latest version (EL BSU 0.83).
- Changed iQST display frequency to 1 second.
- Removed CAS 3-3-3 and 4-4-4 in setup.
- Fixed issue where removing battery will cause Intel® ME failure.
- Updated processor support.
- Added Visual Off mode support.
- Fixed issue where 8 GB memory and PCIE VGA card will cause system poor performance.
- Patched OA2 check failed issue.
- Fixed issue where "Core Multiplexing Technology" will disappear when disabled.

Known Errata:
- Can't flash back to BIOS Version 0077 by iflash.exe.

BIOS Version 0077

About This BIOS:
- July 25, 2008

- IDG4510H.86A.0077.2008.0725.1734
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1087 SKU4
- MEBx Version: 5.0.5.0003
- VBIOS Version: 1659

New Fixes/Features:
- Fixed issue where system can't POST when a PCI audio card is installed.

BIOS Version 0075

About This BIOS:
- July 22, 2008
- IDG4510H.86A.0075.2008.0722.1329
- GBE firmware bin version: ich10r_82567v_a2
- PXE Option Rom file: BA1322L2.LOM
- ME Version: 1087 SKU4
- MEBx Version: 5.0.5.0003
- VBIOS Version: 1659

New Fixes/Features:
- Initial production BIOS release

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