



BIOS Update Release Notes

PRODUCTS: DB65AL (Standard BIOS)

BIOS Version 0058 - ALB6510H.86A.0058.2018.1023.1412

About This Release:

- Date: October 23, 2018
- ME Firmware: 5MB SKU 7.1.91. 3272 Production
- Memory Reference Code: Based on Revision 1.2.2.0
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.76

New Fixes/Features:

- Updated CPU Microcode (Security Advisory-00115).

BIOS Version 0057 - ALB6510H.86A.0057.2018.0416

About This Release:

- Date: April 16, 2018
- ME Firmware: 5MB SKU 7.1.91. 3272 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.76

New Fixes/Features:

- Updated CPU Microcode (Security Advisory-00088).

BIOS Version 0056 - ALB6510H.86A.0056.2017.0601.1655

About This Release:

- Date: June 01, 2017
- ME Firmware: 5MB SKU 7.1.91. 3272 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.76

New Fixes/Features:

- Updated Intel® ME firmware to version 7.1.91. 3272.

BIOS Version 0055 - ALB6510H.86A.0055.2011.1003.1116

About This Release:

- Date: October 03, 2011
- ME Firmware: 5MB SKU 7.1.20. 1119 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.76

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

New Fixes/Features:

- Added flash update status indicators.
- Fixed issue where PCIe x8 RAID card is not detected intermittently on a PCIe x16 slot.
- Fixed issue where system hangs entering the operating system when an internal USB hub monitor is connected.
- Fixed issue where "keyboard not found" error occurs during POST when keyboard is connected along with certain webcam.

BIOS Version 0054 - ALB6510H.86A.0054.2011.0816.1852

About This Release:

- Date: August 16, 2011
- ME Firmware: 5MB SKU 7.1.20. 1119 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.76

New Fixes/Features:

- Updated processor support.
- Updated Intel® ME firmware to version 7.1.20.1119
- Updated PXE binary to revision: 1.3.76.
- Updated VBIOS to the revision 2119.
- Updated OA3.0 support.
- Fixed issue where certain PCIe x1 internal SATA card not detected when plugged into x16 slot.
- Fixed issue where system hangs at splash screen with certain RAID card installed.

BIOS Version 0053 - ALB6510H.86A.0053.2011.0615.1614

About This Release:

- June 15, 2011
- ME Firmware: 5MB SKU 7.1.13. 1088 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2113 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.72

New Fixes/Features:

- Updated processor support.
- Fixed issue where some PCIe x1 cards are not detected in the PCIe x16 slot.
- Fixed issue where PCIe config uses a reserved value.
- Added scrollbar for list of cert hashes in the Management menu in BIOS.
- Changed SMBIOS Type 17 Bank Locator and Device Locator strings.

BIOS Version 0052 - ALB6510H.86A.0052.2011.0520.1652

About This Release:

- May 20, 2011
- ME Firmware: 5MB SKU 7.1.13. 1088 Production
- MEBx Code: Based on Version 7.0.0.0053

- Integrated Graphics Option ROM: Build 2113 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.72

Note:

Due to adding BIOS setup variables, user default settings will be cleared after updating to BIOS version 0052. We recommend you manually record all BIOS settings that have been changed (from default) so they can be restored after completing the BIOS update.

New Fixes/Features:

- Updated Intel® ME firmware to version 7.1.13.1088.
- Updated processor support.
- Updated PXE binary to version 1.3.72.
- Updated VBIOS to version 2113.
- Added SATA port hot plug functionality.
- Changed HyperBoot message to Fast Boot.

BIOS Version 0051 - ALB6510H.86A.0051.2011.0413.1430

About This Release:

- April 13, 2011
- ME Firmware: 5MB SKU 7.1.10. 1065 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2111 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

Note:

If the current BIOS version is 0049 or earlier, you must first update to version 0051 before doing a BIOS recovery function.

New Fixes/Features:

- Fixed issues with Intel® Desktop Utilities (IDU) v3.1.3.028:
 - BIOS incorrectly calculating Tcontrol.
 - Processor temperature thresholds higher than TCC Assertion Temperature.
 - Processor changes not detected by BIOS.
- Fixed issue where function keys' texts do not show when Fast Boot is enabled.
- Fixed issue where you can't enter setup menu when Fast Boot is enabled.
- Fixed issue where Memory Label Designation in IDU is still showing up in older format.
- Added USB "No Detect" feature.
- Updated VBIOS to the revision 2111.
- Corrected Fast Boot strings in setup menu.
- Added workaround for operating system setup locking at .SIF when no keyboard and mouse is connected.

BIOS Version 0049 - ALB6510H.86A.0049.2011.0314.1053

About This Release:

- March 14, 2011
- ME Firmware: 5MB SKU 7.1.10. 1065 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2108 PC 14.34

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- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Update Intel® ME F/W to revision: 7.1.10.1065.
- Updated VBIOS to revision 2108.
- Fixed issue where Intel® Desktop Utilities displays no data when UEFI Boot is enabled.
- Updated "Boot Device Restoration" in HyperBoot.
- Fixed issue where S3 resume fails in Linux*.
- Fixed issue with Maximum Non-Turbo Ratio.
- Fixed issue with A/C loss after removing power.
- Fixed issue with SMBIOS On-Board Devices.
- Fixed issue with Intel® Integrator Assistant where BIOS ID does not match.
- Fixed issue with Intel® Integrator Toolkit where setup option is incorrect after loading INI file.
- Fixed issue with power button recovery - used for cold boot path only.
- Fixed issue where provisioning record in Setup displays a "Setup IP" which is not correct.
- Fixed issue with Client Initiated Local Access (CILA).
- Updated processor support.

BIOS Version 0041 - ALB6510H.86A.0041.2011.0114.1553

About This Release:

- January 14, 2011
- ME Firmware: 5MB SKU 7.0.2. 1164 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2089 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Updated BIOS Setup to allow more characters to be displayed for SATA device model information.
- Revised Intel Standard Manageability Technology Configuration in Intel® ME menu.
- Fixed issue where optical drive name and solid state drive name does not show completely in Configuration > SATA, Boot > Optical Drive Order and Hard Drive Order lists in BIOS Setup.
- Updated BIOS Setup to show "Reset Intel Standard Manageability to default factory settings" for non-vPro processors in Maintenance mode.
- Fixed issue where operating system will not install via PXE with a hard drive or optical drive plugged into SATA ports 1 through 3.
- Fixed issue where EFI MEBx is not accessible after remote provisioning (bare metal/PKI method).
- Updated processor support.
- Hid Performance settings from Intel® Integrator Toolkit.
- Updated Intel® ME firmware to the revision 7.0.2.1164.
- Improved BIOS ID checking when invoking BIOS flashing by F7 BIOS Flash Update menu.
- Added RCFG option to Intel® ME page.
- Updated NB reference code.

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- Updated EFI MEBx reference code.
- Updated FSC related settings.
- Changed the warning message when entering the wrong password while changing password in the security page.
- Corrected the status of Turbo Boost Technology in the Performance page if the processor does not support it.
- Corrected the unit of transfer-rate for optical drives on the SATA Drives setup page.
- Corrected the unit of voltage for all voltage sensors in Fan control & Real-Time Monitoring page.
- Fixed issue where system hangs in the operating system if certain graphics cards are installed.
- Updated maximum system memory support to 32GB in SMBIOS type 16.
- Fixed default settings of Over-Temperature Threshold, Control Temperature and All-On Temperature to proper values for processor temperature.
- Improved memory timing default restoring in the setup to prevent system halt when overriding timing setting after loading setup default.
- Fixed issue where the wrong options show in the setup for Active Processor Cores after selecting one value less than "All" on the 4-cores processor.

BIOS Version 0033 - ALB6510H.86A.0033.2010.1210.2325

About This Release:

- December 10, 2010
- ME Firmware: 5MB SKU 7.0.0. 1152 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2089 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Initial production BIOS release

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