



BIOS Update Release Notes

PRODUCTS: DB85FL (Standard BIOS)

BIOS Version 0131 - FLB8510H.86A.0131.2017.0516.1705

About This Release:

- Date: May 16, 2017
- ROM Image 8MB Checksum: 0x591F0D92
- ROM Image 4MB Checksum: 0x2E8ED563
- ME Firmware: 9.1.41.3034
- Memory Reference Code Based on: 1.6.2.0
- Visual BIOS: 2.2.5 Build
- MEBx Code Based on :9.0.0.0025
- Integrated Graphics
 - Option ROM: Build 2179 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1409 PXE 2.1 Build 092
 - UEFI Driver: 5.1.003
- SATA RAID Option ROM: v12.0.0.1783
- UEFI revision: 2.3.1

New Fixes/Features:

- Updated Intel® ME firmware to version 9.1.41.3034.

BIOS Version 0130 - FLB8510H.86A.0130.2015.0721.1522

About This Release:

- Date: July 22, 2015
- ROM Image 8MB Checksum: 0x58e63841
- ROM Image 4MB Checksum: 0x2e926259
- ME Firmware: 9.0.20.1447
- Memory Reference Code Based on: 1.6.2.0
- Visual BIOS: 2.2.5 Build
- MEBx Code Based on :9.0.0.0025
- Integrated Graphics
 - Option ROM: Build 2179 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1409 PXE 2.1 Build 092
 - UEFI Driver: 5.1.003
- SATA RAID Option ROM: v12.0.0.1783
- UEFI revision: 2.3.1

New Fixes/Features:

- Implemented security enhancement solution.

BIOS Version 0127 - FLB8510H.86A.0127.2014.0929.1445

About This Release:

- Date: September 29, 2014
- ME Firmware: 9.0.20.1447
- Visual BIOS: 2.2.5 Build
- MEBx Code Based on :9.0.0.0025
- Integrated Graphics
 - Option ROM: Build 2179 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1409 PXE 2.1 Build 092
 - UEFI Driver: 5.1.003
- SATA RAID Option ROM: v12.0.0.1783
- UEFI revision: 2.3.1

This BIOS includes support only for processors launched earlier than April 2014. Refer to <http://processormatch.intel.com> for processors compatible with your Intel® Desktop Board. This site also lists third party motherboards that support the latest Intel processors.

Note:

BIOS version 0121 added support for Microsoft* Windows* 8.1. After updating to version 0121 or later, you will not be able to downgrade to version 0019 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:

- Implemented security enhancements as described in Technical Advisory #1001888.
- Added "Suppress Alert Messages At Boot" setup item.
- Improved watchdog timer handling in password checking dialog.

BIOS Version 0126 - FLB8510H.86A.0126.2014.0526.1545

About This Release:

- Date: May 26, 2014
- ME Firmware: 9.0.20.1447
- Visual BIOS: 2.2.5 Build
- MEBx Code Based on :9.0.0.0025
- Integrated Graphics
 - Option ROM: Build 2179 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1409 PXE 2.1 Build 092
 - UEFI Driver: 5.1.003
- SATA RAID Option ROM: v12.0.0.1783
- UEFI revision: 2.3.1

This BIOS includes support only for processors launched earlier than April 2014. Refer to <http://processormatch.intel.com> for processors compatible with your Intel® Desktop Board. This site also lists third party motherboards that support the latest Intel processors.

Note:

BIOS version 0121 added support for Microsoft* Windows* 8.1. After updating to version 0121 or later, you will not be able to downgrade to version 0019 or earlier. The following warning message will display:

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

This BIOS is not allowed to downgrade reversion, but system will do reset in 20 seconds automatically.

New Fixes/Features:

- Enhanced the protection of certain UEFI variables as described in Intel Security Advisory INTEL-SA-00038.

BIOS Version 0125 - FLB8510H.86A.0125.2014.0424.1701

About This Release:

- Date: April 24, 2014
- ME Firmware: 9.0.20.1447
- Visual BIOS: 2.2.5 Build
- MEBx Code Based on :9.0.0.0025
- Integrated Graphics
 - Option ROM: Build 2179 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1409 PXE 2.1 Build 092
 - UEFI Driver: 5.1.003
- SATA RAID Option ROM: v12.0.0.1783
- UEFI revision: 2.3.1

Note:

BIOS version 0121 added support for Microsoft* Windows* 8.1. After updating to version 0121 or later, you will not be able to downgrade to version 0019 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 RC to 1.6.2.
- Updated Visual BIOS to version 2.2.5.
- Updated processor support.
- Fixed issue where TPM cannot be cleared via Config mode.

BIOS Version 0124 - FLB8510H.86A.0124.2014.0220.1553

About This Release:

- Date: February 20, 2014
- ME Firmware: 9.0.20.1447
- Visual BIOS: 2.1.5 Build
- MEBx Code Based on :9.0.0.0025
- Integrated Graphics
 - Option ROM: Build 2179 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1409 PXE 2.1 Build 092
 - UEFI Driver: 5.1.003
- SATA RAID Option ROM: v12.0.0.1783
- UEFI revision: 2.3.1

Note:

BIOS version 0121 added support for Microsoft* Windows* 8.1. After updating to version 0121 or later, you will not be able to downgrade to version 0019 or earlier. The following warning message will display:

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

This BIOS is not allowed to downgrade reversion, but system will do reset in 20 seconds automatically.

New Fixes/Features:

- Updated Fan Speed Control.
- Modified Power button menu to support external graphic cards.
- Updated VBIOS to version 2179.
- 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 0123 - FLB8510H.86A.0123.2013.1213.1449

About This Release:

- Date: December 13, 2013
- ME Firmware: 9.0.20.1447
- Visual BIOS: 2.1.5 Build
- MEBx Code Based on :9.0.0.0025
- Integrated Graphics
 - Option ROM: Build 2177 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1409 PXE 2.1 Build 092
 - UEFI Driver: 5.1.00

Note:

BIOS version 0121 added support for Microsoft* Windows* 8.1. After updating to version 0121 or later, you will not be able to downgrade to version 0019 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 Visual BIOS to version 2.1.5.
- Added Hard Disk Pre-Delay setup item.
- Fixed issue where external graphics card shows no video if Legacy Boot is disabled and UEFI is enabled.
- Added Mini-PCIe Slot setup item.

BIOS Version 0121 - FLB8510H.86A.0121.2013.1014.1452

About This Release:

- Date: October 14, 2013
- ME Firmware: 9.0.13.1447
- Visual BIOS: 2.0.22 Build
- MEBx Code Based on :9.0.0.0025
- Integrated Graphics
 - Option ROM: Build 2177 PC 14.34
 - UEFI Driver: 5.0.1034
- LAN
 - Option ROM: v1409 PXE 2.1 Build 092
 - UEFI Driver: 5.1.00

Note:

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

BIOS version 0121 added support for Microsoft* Windows* 8.1. After updating to version 0121 or later, you will not be able to downgrade to version 0019 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:

- Changed DVMT default setting to 32 MB.
- Updated Secure Boot module.
- Modified XHCI and EHCI USB port mapping.
- Updated Flash BIOS warning message.
- Updated processor support.
- Updated VBIOS to version 2177.
- Updated Intel® ME firmware to version 9.0.20.1447.
- Updated RAID OPROM to version 12.0.0.1783.
- 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.
- Fixed issue where USB3.0 HDD still can be detected even when all USB3.0 ports are set to "No detect".
- Improved VT-d support.
- Changed VT-d support to be dependent on CPU installed.
- 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.
- Updated hard drive password length from "2-8" to "2-19".
- Updated Cooling page Temperatures item.
- Fixed issue where BIOS items are missing in Intel® Integrator Toolkit.
- 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.

BIOS Version 0019 - FLB8510H.86A.0019.2013.0606.1538

About This Release:

- Date: June 6, 2013
- ME Firmware: 9.0.2.1345
- Visual BIOS: 2.0.22 Build
- MEBx Code Based on :9.0.0.0023
- Integrated Graphics
 - Option ROM: Build 2170 PC 14.34

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

UEFI Driver: 5.0.1025

- LAN

Option ROM: v1409 PXE 2.1 Build 092

UEFI Driver: 5.1.00

New Fixes/Features:

- Updated Visual BIOS to version 2.0.23.
- Fixed issue where customized logo is not saved after BIOS Recovery.
- Improved DMI protection.
- Fixed issue with Boot Block Fault tolerance.
- Fixed issue with screen capture in Visual BIOS.
- Fixed issue with "High precision event timer".
- Fixed issue with IGD Primary/Secondary Video Port in some combinations.
- Updated processor support.

BIOS Version 0016 - FLB8510H.86A.0016.2013.0425.2218

About This Release:

- Date: April 25, 2013
- ME Firmware: 9.0.2.1345
- Visual BIOS: 2.0.20 Build
- MEBx Code Based on :9.0.0.0023
- Integrated Graphics
 - Option ROM: Build 2170 PC 14.34
 - UEFI Driver: 5.0.1025
- LAN
 - Option ROM: v1409 PXE 2.1 Build 092
 - UEFI Driver: 5.1.00

New Fixes/Features:

- Fixed issue with "Active Processor Cores".
- Fixed issue with "High precision event timer".
- Fixed issue where the SATA Devices image and Cross hair are incorrect.
- Fixed issue where there are three redundant entries in BIOS home page 3.
- Fixed issue with "Onboard LAN MAC Address" setup item string.
- Fixed issue with "Fan Usage" setup item string.
- Fixed issue with "Set Master Hard Drive Password" and "Set User Hard Drive Password" Help Text.
- Updated Visual BIOS to version 2.0.20.
- Fixed issue with "Restart from UEFI Win8 to Firmware settings fail" when Visual BIOS 2.0 is supported.

BIOS Version 0014 - FLB8510H.86A.0014.2013.0410.2145

About This Release:

- Date: April 10, 2013
- ME Firmware: 9.0.2.1345
- Visual BIOS: 2.0.17 Beta Build
- MEBx Code Based on :9.0.0.0023
- Integrated Graphics
 - Option ROM: Build 2170 PC 14.34

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

UEFI Driver: 5.0.1025

- LAN

Option ROM: v1409 PXE 2.1 Build 092

UEFI Driver: 5.1.00

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.

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