



BIOS Update Release Notes

PRODUCTS: DZ77SL-50K (Standard BIOS)

BIOS Version 0097 - SLZ7710H.86A.0097.2013.0430.1647

About This Release:

- Date: April 30, 2013
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 089
- Visual BIOS version 1.2.14

New Fixes/Features:

- Updated Visual BIOS to version 1.2.14.
- Fixed issue where Visual BIOS is not consistent displaying memory speeds.
- Fixed issue where options to enable and disable USB Legacy are opposite between Intel® Integrator Toolkit (ITK) and BIOS setup.
- Fixed issue where the boot order of USB hard drives connected to USB3.0 ports cannot be changed in ITK.

BIOS Version 0096 - SLZ7710H.86A.0096.2013.0307.1352

About This Release:

- Date: March 7, 2013
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 089
- Visual BIOS version 1.2.3

New Fixes/Features:

- Fixed issue where Intel® Desktop Utilities should show Channel A Slot B.
- Fixed issue where sensor threshold's proposed value is mismatched with active value in BIOS after changes are made in Intel® Desktop Utilities.
- Fixed issue where system will not boot with UEFI boot enabled and Legacy boot disabled.
- Fixed issue system hangs at splash screen after a BIOS update when audio is disabled.
- Implemented global PK key.

BIOS Version 0095 - SLZ7710H.86A.0095.2013.0117.1516

About This Release:

- Date: January 17, 2013

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

- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 089
- Visual BIOS version 1.2.3

New Fixes/Features:

- Fixed issue with Secure boot.

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| BIOS Version 0094 - SLZ7710H.86A.0094.2012.1222.1254 |
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About This Release:

- Date: December 22, 2012
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 089
- Visual BIOS version 1.2.3

New Fixes/Features:

- Updated Intel® ME firmware to version 8.1.20.1336.
- Updated RAID Option ROM to version 11.6.0.1702.
- Fixed issue with the picture which shows in wrong place.

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| BIOS Version 0093 - SLZ7710H.86A.0093.2012.1212.1802 |
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About This Release:

- Date: Dec 12, 2012
- ME Firmware: 8.1.2.1318
- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.5.0.1582
- LAN Option ROM: v1376 PXE 2.1 Build 089
- Visual BIOS version 1.2.2

New Fixes/Features:

- Added support for 1066 MHz memory.
- Fixed issue with POST logo resolution on certain add-in graphics cards.
- Fixed issue where the Password Prompt is not required when Chassis Intrusion is set to Log Only, if just the Supervisor Password is installed.
- Fixed issue where system halts with permission message and USB keyboard is not available when doing power button recovery with a customized BIOS.
- Fixed RAID issues:
 - Prompt 'Create Volume Fail' error occurs when entering BIOS setup when Secure Boot is enabled and SATA Mode is set to RAID.
 - The BIOS Setup options for UEFI RAID driver/OPROM do not work correctly: only RAID Volume information shows if volumes were previously created but cannot create, delete, or manage it.
- Fixed issue where Legacy Boot option is not present on the Visual BIOS boot page.

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- Fixed issue where BIOS does not work correctly with certain keyboard and mouse.
- Fixed issue with Secure Boot when non-compliant Legacy video card is installed.
- Changed Visual BIOS memory voltage information.

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| BIOS Version 0091 - SLZ7710H.86A.0091.2012.1121.1246 |
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About This Release:

- Date: November 21, 2012
- ME Firmware: 8.1.2.1318
- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.5.0.1582
- LAN Option ROM: v1376 PXE 2.1 Build 089
- Visual BIOS version 1.2.2

New Fixes/Features:

- Updated Visual BIOS to version 1.2.3.
- Updated processor support.
- Fixed issue where BIOS recovery fails if using a BIOS image altered with Intel® Integrator Toolkit (ITK).
- Fixed issue where the Password Prompt is not required when Chassis Intrusion is set to Log Only, if just the Supervisor Password is installed.
- Fixed issue where fan responsiveness value cannot be set in BIOS.
- Fix issue with legacy video cards when Secure Boot is enabled.
- Changed behavior for boot order - now user can still change boot order in BIOS setup after a custom boot order has been set by ITK.
- Added missing jumper detection function.

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| BIOS Version 0090 - SLZ7710H.86A.0090.2012.1030.1439 |
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About This Release:

- Date: October 30, 2012
- ME Firmware: 8.1.2.1318
- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.5.0.1582
- LAN Option ROM: v1376 PXE 2.1 Build 089
- Visual BIOS version 1.2.2

New Fixes/Features:

- Fixed issue where system does not boot into the operating system when UEFI Boot is enabled.
- Updated Visual BIOS to version 1.2.2.
- Removed "Generate New Platform Key" option in Setup.
- Fixed LAN packet drop issue.

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| BIOS Version 0089 - SLZ7710H.86A.0089.2012.1018.1812 |
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About This Release:

- Date: October 18, 2012
- ME Firmware: 8.1.2.1318

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

- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.5.0.1582
- LAN Option ROM: v1376 PXE 2.1 Build 089
- Visual BIOS version 1.2.0

New Fixes/Features:

- Fixed WHQL USB 3 Termination issue.
- Updated Lucid* key.
- Updated VBIOS to version 2143.
- Updated RAID Option ROM to version 11.5.0.1582.
- Updated Intel® ME 8 firmware to version 8.1.2.1318.
- Updated Visual BIOS to v1.2.0.
- Updated processor support.
- Fixed issue with Secure Boot Manual Logo test failure.
- Fixed issue where onboard LAN does not wake on S5.
- Fixed issue with fan speed control and Intel® Desktop Utilities.
- Fixed issue where system hangs if Legacy Boot is disabled and Video Optimization (Fast boot) is enabled.
- Fixed issue where system hangs at POST code EB with VBIOS update.

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| BIOS Version 0087 - SLZ7710H.86A.0087.2012.0907.1808 |
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About This Release:

- Date: September 7, 2012
- ME Firmware: 8.0.13.1502
- Integrated Graphics Option ROM: Build 2132 PC 14.34
- SATA RAID Option ROM: v11.0.0.1204
- LAN Option ROM: v1376 PXE 2.1 Build 089
- Visual BIOS version 1.0.8

Note:

When using SL0087.BIO with the Intel® Integrator Toolkit (ITK) version 5.0.0, these errors may occur:

- **Error: Unsupported Logo.**
- **The opened BIOS does not have this support.**

If you need to use ITK version 5.0.0 to customize the BIOS for Intel® Desktop Board DZ77SL-50K, do not update to BIOS version 0087. This problem was fixed in ITK version 5.0.1 and later.

New Fixes/Features:

- Fixed issue where audio sound repeats during first POST.
- Fixed issue where system does not boot with G440 processor.
- Fixed setup item callback "PS/2 Port" & "Deep S4/S5".
- Added Memory setup item in performance page.
- Fixed issue with USB port disable.
- Fixed issue with booting USB Devices First.
- Updated boot order style when legacy boot is disabled.
- Added secure boot solution.
- Modified processor family setup item.
- Fixed issue where memory voltage does not set to 1.65V while changing option to 1600, 1867 or 2133.
- Modified SATA ports.
- Updated Visual BIOS to version 1.0.8.
- Modified PCIE ASPM support.

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- Fixed Advanced boot order insert/remove USB key priority issue.

BIOS Version 0081 - SLZ7710H.86A.0081.2012.0719.1051

About This Release:

- Date: Jul 19, 2012
- ME Firmware: 8.0.13.1502
- Integrated Graphics Option ROM: Build 2132 PC 14.34
- SATA RAID Option ROM: v11.0.0.1204
- LAN Option ROM: v1376 PXE 2.1 Build 089

New Fixes/Features:

- Modified Overclocking Assistant setup item.
- Fixed issue where SMBIOS values cannot be overwritten.
- Changed UEFI Boot item default value to disabled.
- Modified USB Boot device function.
- Modified video output priority.
- Updated Intel® ME firmware to v8.0.13.1502.
- Fixed issue where specific time & day setting in BIOS Setup causes the system to hang.
- Fixed issue where Boot menu is lost in Setup.
- Updated BIOS to allow special key characters for password.
- Added IGD Minimum Memory setup item.
- Updated BIOS to create UEFI Boot Options if hard drive already has a UEFI operating system installed
- Fixed issue where USB drives are not removed from boot order list when USB BOOT is disabled.
- Fixed issue with USB keyboard special characters.
- Updated processor support.
- Fixed Consumer Infrared WHQL issue.
- Added default boot priority for Advanced boot order (CD; Removable; HDD; PXE).
- Fixed issue where yellow bang appears in Device Manager when UEFI boot is enabled.
- Improved hot key detection during POST.
- Fixed issue where USB 3.0 device is lost when waking from S3.
- Fixed issue where USB 2.0 keyboard or mouse plugged into a USB 3.0 port cannot wake the system from S3.
- Added Keyboard Ready Beep setup item.
- Modified Intel® Graphics Performance Analyzers default value.
- Updated video priority function.
- Updated PS2 function.
- Fixed issue where fan does not work correctly after updating BIOS.
- Updated Memory DQ Ref Voltage setting to be hidden if DIMM Reference Voltage Training is not set to Manual.
- Fixed issue where audio fails in DOS.
- Fixed issue where keyboard fails during POST when USB Optimization is enabled.
- Modified Memory Multiplier:Speed setup item.
- Updated NTFS device support recovery.

BIOS Version 0066 - SLZ7710H.86A.0066.2012.0413.2004

About This Release:

- Date: April 13, 2012
- ME Firmware: 8.0.3.1427
- Integrated Graphics Option ROM: Build 2132 PC 14.34
- SATA RAID Option ROM: v11.0.0.1204
- LAN Option ROM: v1376 PXE 2.1 Build 089

New Fixes/Features:

- Updated Visual BIOS; changes include:
 - Added Cancel button to Classic Mode dialog.
 - Fixed missing GFX Voltage Offset question.
 - Added missing Memory DQ Ref Voltage question to Advanced > Performance > Memory.
 - Fixed the ordering of the audio questions in Other Devices.
 - Fixed missing Overridden Host Clock question on Main Page.
 - SMBIOS support for the re-ordering of the protocol to be UEFI 2.3.1 compliant.
 - Primary Temperature Input question UQI matches other questions
 - Rear Header minimum and maximum duty cycle questions connected
- Added Graphics Voltage Offset setup item.
- Fixed issue where BIOS options appear multiple times.
- Modified wake behaviors of PS/2 mouse and keyboard.
- Fixed USB 3.0 detection issue.
- Added Intel® Graphics Performance Analyzers setup item.
- Modified BIOS to allow special characters on password strings.
- Fixed grey-out issue on PCH Core and Processor IO setup items.
- Fixed issue with incorrect XMP-2400 profile for certain processors.
- Updated processor support.
- Fixed issue where Detected Video Device Priority detects two PCI VGA devices when attaching one VGA card and one non-VGA card.
- Fixed issues with Intel® Integrator Toolkit:
 - Options should be 'Enabled' or 'Disabled', instead of 'On' or 'Off'.
 - Boot count support is not working properly.
 - Performance settings are populated in the Settings pane under 'Performance' node
 - Incorrect flash update message is displayed when booting to windows after Express BIOS Update/online mode BIOS update
- Added Intel® Rapid Storage Technology functionality.
- Added Intel® Smart Connect Technology functionality.
- Added items for Fan Speed Control: Manual Duty Cycle, Primary Temperature Input, and Secondary Temperature Input.
- Fixed issue where Setup menu displays abnormally when Video Optimization is enabled.
- Fixed issue where PS/2 mouse and keyboard can still wake up S3 when the function is disabled.

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| BIOS Version 0055 - SLZ7710H.86A.0055.2012.0320.0024 |
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About This Release:

- Date: March 20, 2012
- ME Firmware: 8.0.3.1427
- Integrated Graphics Option ROM: Build 2132 PC 14.34

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- SATA RAID Option ROM: v11.0.0.1204
- LAN Option ROM: v1376 PXE 2.1 Build 089

New Fixes/Features:

- Initial production BIOS release

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