PRODUCTS: DQ35JO, DQ35MP (Standard BIOS)

BIOS Version 0942

About This Release:
- August 11, 2008
- JOQ3510J.86A.0942.2008.0807.1958
- VBIOS info:
  Build Number: 1653 PC 14.34 06/08/2008 20:37:36.
- SATA RAID info:
  Intel(R) RAID for SATA – v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 05-09-2008 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.3.22.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.2.1.1022.

New Fixes/Features:
- Locked MCH configuration.
- Added support to DQ35JO for ME Power Package 2 and 4 (Only take effect after doing BIOS Recovery).
- Fixed keyboard permanently locked in BIOS Setup after using AMT SOL session.
- Updated Intel Branding String in BIOS Setup.
- Fixed issue where keys pressed in POST are visible after boot in the BIOS Data Area (BDA) keyboard buffer.
- Fixed Incorrect Memory Size Decrease report.
- Updated PXE code Intel(R) Boot Agent GE v1.3.22.
- Updated Video BIOS v1653.

BIOS Version 0933

About This Release:
- July 09, 2008
- JOQ3510J.86A.0933.2008.0707.2248
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA – v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 05-09-2008 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.2.1.1022.

New Fixes/Features:
- Fixed issue where system takes extra 40 seconds to boot when certain webcam is attached to the system.
- Corrected the RAID option ROM to v7.6.0.1011.
- Updated IRRT RAID option ROM to v8.0.0.1039.

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

- Updated processor support.
- Fixed issue where hardware virtualization is not available after S3 resume.
- Added ability to disable C1E for DQ35JO from the Power page.
- Fixed issue where certain solid state drives were not working with the ICH SATA AHCI Option ROM.
- ICH9 BIOS Specification Update 1.14.
- CPU Power savings for S1 state.

BIOS Version 0925

About This Release:
- June 17, 2008
- JOQ3510J.86A.0925.2008.0617.0044
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 12-03-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.2.1.1022.

New Fixes/Features:
- Updated flash descriptor base on ICH SPI Flash Programming Guide.
- Updated Intel(R) ME Firmware to 3.2.1.1022.
- Fixed system hang when user browse to a BIOS setup page that has all text hidden by Intel® Integrator Toolkit.
- Added black and white background badges for support resolutions of 640x480, 800x600 and 1024x768.
- Changed BIOS setup string "VT Technology" to "Intel(R) VT" under Security Menu.
- Added ability for ITK to choose between black or white badge background and the reporting of max logo resolution support.
- Fixed Audio Codec SSID not being programmed after resume from S3.
- Added SMBios Type 9 Slot Information fixes.

BIOS Version 0882

About This Release:
- April 24, 2008
- JOQ3510J.86A.0882.2008.0423.1925
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 12-03-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.2.0.1018.

New Fixes/Features:
- Fixed a problem where USB devices were not detected during POST.
- Work around to prevent USB keyboard hang in DOS environment.

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

- AMT: Fixed local hard drive is inaccessible during IDER DOS session when SATA is configured as AHCI/RAID.
- Updated Audio Verb Table.
- Workaround to fix system won't boot intermittently when optical drive is connected to SATA port 2.
- Added new AA number for LA SKU.

BIOS Version 0865

About This Release:
- April 04, 2008
- JOQ3510J.86A.0865.2008.0404.0146
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 12-03-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.2.0.1018.

New Fixes/Features:
- Fixed Windows Vista* 0xC4 blue screen when running Driver Verifier on TPM.SYS.
- Fixed issue where new BIOS SETUP settings may contain random data when using Flex EFI Variable updates.
- Added support for duplicate BIOS ID.
- Updated the graphics for Express BIOS Update.
- Fixed issue where the flash could be potentially corrupted.
- Added support in the flash update process to update unlocked flash descriptor region.
- Workaround to resolve S3 Resume took longer than 2 seconds issue.
- Fixed issue where certain SAS HBA card was not booting.
- Fixed issue where the upper portion of the EAX and EDX register were getting corrupted during INT9 (keyboard handler) execution on no-SIO systems.
- Fixed incorrect restore of PIC mask register.
- Fixed the title of the BIOS setup page get overlap by certain condition.
- Fixed BIOS Setup interface to allow pop-up menu to scroll through options.
- Fixed a problem where the system would boot slow with 8GB of memory in the system, and booting to a 64bit OS.
- Long boot time due to no media in SATA optical drive when set to AHCI/RAID mode.
- Fixed Eit and VA3.0 storage of TPM enable disable status.
- Change VT-d Tables for Txt.
- Fix for TXT Bios_OS_Data reporting.
- Updated Txt Ac modules.
- Fixed RAID Fail to Resume from Standby (S3).
- Optimized performance of ATAPI recovery routines.
- Allow use of more than one CD device for ATAPI CD-ROM recovery.
- Fixed issue where graphics cards that don't support 800x600 mode will not display anything on screen during POST.

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

- Fixed issue where L2 cache size of Q9300 CPU will not be displayed in BIOS setup.
- Fixed a problem where IERR got asserted on certain CPUs.
- Fixed possible hang at POST code 0x5A with certain video cards attached to the system.
- Added support to select the appropriate voltage based on CPU and FSB speed.
- Fix issue where unlock CPU with PSID enabled cannot be over clocked.
- Fixed a problem where the system would hang on S3 resume during SMM relocation.
- Fix S3 Hang at Post Code 21 due to dependency issue.
- Added support for WDC8763 EC/SIO controller.
- Updated processor support.
- Updated Intel(R) ME Firmware.
- Fixed local hard drive is inaccessible during IDER DOS session when SATA is configured as AHCI/RAID.
- Change Smbios Type131 ICH Record.
- Update TXT Heap BIOS_OS_DATA.
- TXT Fix for hang following a LT.Reset.
- TXT Fix for GetSec SCHECK.
- Fixed EIT/VA process data overwriting interrupt vector table.

Known Errata:
If you previously set a hard drive password with BIOS version 0817, 0831 or 0834, you must clear the password before updating to BIOS version 0865 or later.

BIOS Version 0757

About This Release:
- January 30, 2008
- JOQ3510J.86A.0757.2008.0120.2100
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 12-03-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.8.1132.

New Fixes/Features:
- Updated processor support.
- Updated Intel(R) ME Firmware to 3.0.8.1132.
- Fixed the IIA Boot Order missing issue.
- Added Intel Rapid Recovery Technology feature.
- Added workaround of option ROM which has an invalid PCI Expansion ROM Header.
- Fixed issue where VGA is not found behind a bridge.
- Fixed a potential Stall loop overflow issue.
- Hid AHCI option ROM text when not running in RAID mode.
- Fixed issues in Manage Certificates ME setup page.
- Fixed failing TCG TPM Interface Test with Microsoft Vista* Windows Logo Kit (WLK) 1.1.

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- Fixed language switching and 'Exit discarding Changes' issues that could slow down the responsiveness of BIOS setup pages.
- Removed pre-production ME Firmware from BIOS update capsule.

BIOS Version 0745

About This Release:
- January 03, 2008
- JOQ3510J.86A.0745.2008.0102.1942
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 08-24-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- Worked around USB Legacy related hangs during POST.

BIOS Version 0733

About This Release:
- December 19, 2007
- JOQ3510J.86A.0733.2007.1218.2239
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 08-24-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- Workaround to resolve system halt during POST when user attempts to boot to network by pressing F12 key.

BIOS Version 0731

About This Release:
- December 10, 2007
- JOQ3510J.86A.0731.2007.1210.2204
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 08-24-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:

- Updated Chassis Type SMBIOS structure.
- Fixed for blank entries in the boot order list when boot devices were enabled/disabled in F2 setup

BIOS Version 0717

About This Release:
- November 21, 2007
- JOQ3510J.86A.0717.2007.1120.1842
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- Updated processor support.
- Fixed time-out failures with Extended INT13 Seek Function (INT 13 Function 47).
- Added support for SATA AHCI Hot-Plug from the Intel Matrix Storage Manager driver.
- Fan detection improvement for iQST.
- Fixed pressing the power button for more than 4 sec does not power off the PC.
- Fixed F9 load default changed Wake on Lan from S5 option while it is grayed out.
- Fixed BIOS recovery from PATA CD does not work.
- Added supervisor password check for chassis intrusion event.

BIOS Version 0708

About This Release:
- November 02, 2007
- JOQ3510J.86A.0708.2007.1102.0118
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- Fixed the PATA device showing under SATA ports in BIOS setup if SATA device not installed.

BIOS Version 0704

About This Release:
- October 24, 2007

- JOQ3510J.86A.0704.2007.1023.2031
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- Added Manufacturing Mode detection via Software.
- Fixed hard drive detection after cold reboot in AHCI mode.
- Workaround on DVMT GraphicsDriverMemorySize Option value to fulfill IIA requirement.
- Updated AMT 3.0 SMBIOS Type 131 variable as per specs specify.
- ME FW: fixed the issue where the ME FW revision info in setup only shows the first digit of the Hotfix version value.
- Fixed issue where Quad core CPU not able to run in single processor mode.
- CK505: Added support for 400MHz FSB CPU overclocking on clock chip SLG505YC256 and SLG505YC264.
- Fixed POST code 5Ah hang with SATA HDDs and PCI Graphics card in Slot 2.
- Added fix so that enable/disable boot device while boot menu is locked does not cause the loss of boot devices in IIA.
- Modified AMT3.0 Type 130 SMBIOS structure.
- Fixed issue where certain USB hard drives did not work in USB legacy support.
- Fixed ForceOnBoardLan Disable option not functioning.
- Boot time optimization.
- AMT: Fixed BIOS ME Setup page password does not get synchronized after Remote Configuration provisioned the system.

BIOS Version 0696

About This Release:
- October 02, 2007
- JOQ3510J.86A.0696.2007.1001.2029
- VBIOS info:
  Build Number: 1533 PC 14.27 08/28/2007 09:51:53.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- Fixed WOL from G3 feature not working.
- Updated TXT AC Module version to Rev: 20070910. (Must only be run with SINIT 20070910 or later.)
- Fixed issue where BIOS would not build in IA32 bit mode.
- Updated Q35/Q33/G33/P35/X38 Bios Spec Rev2.2.

- ME FW: Fixed the issue where the ME FW revision info in setup only shows the first digit of the Hotfix version value.
- Corrected the TCG ACPI table header length according to the TCG ACPI spec 1.0.
- Updated Video Bios to Build 1533.

BIOS Version 0693

About This Release:
- September 20, 2007
- JOQ3510J.86A.0693.2007.0919.2156
- VBIOS info:
  Build Number: 1508 PC 14.27 06/08/2007 13:40:32.
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum2 info:
  Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- Filled in missing language strings.
- AMT 3.0: Sync up to MEbx Version 3.0.2.0004.
- AMT: Increased FQDN and PKI DNS Suffix input box maximum string length.
- Fixed issue where CMOS battery removed could cause AMT option to be missing.
- Added new Video rom: Build Number: 1508 PC 14.27 06/08/2007 13:40:32
- SMBIOS Type 9 Slot Information fixes.
- Added half ratio support.
- AMT 3.0: Fixed AMT WebUI report multiple keyboard test.
- Changed the method of getting ME FW capability through MEBx instead of hardcoded.
- SMBios Type 130: Fix the AMT mode detection issue.
- Modified AMT3.0 Type 130 SMBIOS structure.
- Fixed issue where PMM calls would sometimes fail incorrectly.
- iQST: Fixed issue show error message when user install invalid payloads through ITK.
- Excluded the ME related error event for non-ME platform.
- AMT platform: Moved the LAN enable check function before entering the setup.
- Added BIOS workaround to allow Windows* XP restart to function correctly.
- Workaround on DVMT GraphicsDriverMemorySize Option value to fulfill IIA requirement.

BIOS Version 0677

About This Release:
- August 31, 2007
- JOQ3510J.86A.0677.2007.0831.0433
- VBIOS info: Build Number: 1471 PC 14.27 03/23/2007 16:54:14.
- SATA RAID info: Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info: Version UPSD src 04-20-2007 for ICH9

- PXE Nahum2 info: Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- ICH9: Added recommended BIOS spec update 1.1 changes.
- Added support for booting El-Torito HDD emulation Memtest86+ with AHCI Option ROM.
- Fixed issue where ITK or IIA could not read boot drives' model strings.
- Changed ACPI SPCR table to only be present when a remote AMT SOL request is made.
- Fixed issue where ITK or IIA could not access Boot Priority List when all the boot devices disabled in the BIOS setup.
- Removed fix where the BIOS was potentially using all processor variable MTRRs.
- AMT: Fixed setup domain name does not get saved in DHCP mode.

BIOS Version 0669

About This Release:
- August 22, 2007
- JOQ3510J.86A.0669.2007.0821.2354
- VBIOS info: Build Number: 1471 PC 14.27 03/23/2007 16:54:14.
- SATA RAID info: Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info: Version UPSD src 04-20-2007 for ICH9
- PXE Nahum2 info: Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- Fixed issue where ITK/IIA could not set Boot Order if the Boot Menu Type in the BIOS setup was set to Advance.
- Fixed potential issue with the Windows* Logo Kit 1.0c TPM ACPI Physical Presence Interface (TPMPPI.EXE) test.
- Raid OPTION ROM: Intel(R) RAID for SATA – v7.6.0.1011.
- Fixed Floppy Drive option missing in boot priority list on legacy free board.
- Fixed VA option not grayed out after supervisor password set.
- Updated CK505 clock chip driver to make it robust for multiple platforms.
- Fixed AMT page option not grayed out after supervisor password set.
- Fixed issue where certain USB bar code scanners would drop a single character if used under USB Legacy.
- Fixed slow recovery which takes 60-120 seconds.
- Added to support eSata on port3.
- Fixed issue where all the information (include ME version) in "Additional System Information" page is lost, after the language is changed.
- Fixed system hang while language is not selected after language list message pop-out.
- Changed displayed SOL copyright to 2007.
- Added PSID support.
- Lock SPI flash descriptor for production BIOS.
- Flashing a large BMP Logo caused inability to reflash and possibly not boot.
- Added ITK Data Var Type 3 to store VAREQ variable.

- Fixed issue where the BIOS was potentially using all processor variable MTRRs.
- Workaround an intermittent failure seen with EFI_VARIABLE in Windows* environment.
- Fixed for initializing OemDefault variable to proper size.
- Fixed "Validate the Consistency of the TCPA EventLog" failure with Windows* Logo Kit 1.0c TPM BIOS Interface Logo Test.
- CK505: Switch SATA PLL to PLL2, only when Burn In mode is supported and enabled.
- Added support for writing a new variable through .bio capsule.

BIOS Version 0559

About This Release:
- July 26, 2007
- JOQ3510J.86A.0559.2007.0726.0425
- VBIOS info: Build Number: 1471 PC 14.27 03/23/2007 16:54:14.
- SATA RAID info: Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info: Version UPSD src 04-20-2007 for ICH9
- PXE Nahum2 info: Intel(R) Boot Agent GE v1.2.50.
- ME firmware build: ME FW binary PV build iAMT_ASF2_QST_3.0.1.1104.

New Fixes/Features:
- Initial production BIOS release

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