



BIOS Update Release Notes

PRODUCTS: DQ35JO, DQ35MP (Standard BIOS)

BIOS Version 1143 - JOQ3510J.86A.1143.2010.1209.0048

About This Release:

- December 9, 2010
- ME Firmware: ME FW binary PV build iAMT_ASF2_QST_3.2.30.1055.
- Integrated Graphics Option ROM: 1653 PC 14.34 06/08/2008 20:37:36.
- PXE Nahum2 info: Intel(R) Boot Agent GE v1.3.27
- SATA RAID Option ROM: Intel(R) RAID for SATA - v8.9.0.1023

New Fixes/Features:

- Fixed issue where there is no display when system was woken up remotely using the ME WOL / SOL after S3.
- Updated the Intel® ME firmware.

BIOS Version 1126 - JOQ3510J.86A.1126.2009.1124.2311

About This Release:

- November 24, 2009
- ME Firmware: ME FW binary PV build iAMT_ASF2_QST_3.2.1.1022.
- Integrated Graphics Option ROM: 1653 PC 14.34 06/08/2008 20:37:36.
- PXE Nahum2 info: Intel(R) Boot Agent GE v1.3.27
- SATA RAID Option ROM: Intel(R) RAID for SATA - v8.9.0.1023

New Fixes/Features:

- Added Security Phase 2 fixes.

BIOS Version 1122 - JOQ3510J.86A.1122.2009.1027.2020

About This Release:

- October 27, 2009
- ME Firmware: ME FW binary PV build iAMT_ASF2_QST_3.2.1.1022.
- Integrated Graphics Option ROM: 1653 PC 14.34 06/08/2008 20:37:36.
- PXE Nahum2 info: Intel(R) Boot Agent GE v1.3.27
- SATA RAID Option ROM: Intel(R) RAID for SATA - v8.9.0.1023

New Fixes/Features:

- Added F7 Flash update support.
- Fixed issue where beep code was incorrect when booting without memory.
- Added check to only display logo that is less than or equal to the supported resolution of 1024x768.
- Added option to enable/disable Core Multiplexing when using a Q9550 processor.

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

- Added work around for issue where RAID volume is lost after updating BIOS.
- Fixed JO setup compliance test.

BIOS Version 1109

About This Release:

- July 16, 2009
- JOQ3510J.86A.1109.2009.0716.0319
- ME Firmware: ME FW binary PV build iAMT_ASF2_QST_3.2.1.1022.
- Integrated Graphics Option ROM: 1653 PC 14.34 06/08/2008 20:37:36.
- PXE Nahum2 info: Intel(R) Boot Agent GE v1.3.27
- SATA RAID Option ROM: Intel(R) RAID for SATA - v8.9.0.1023

New Fixes/Features:

- Fix issue with overlapped memory ranges.
- Added CPU SMRR support.
- Updated SMBIOS Processor Family.
- Fix issue where MTRR is not in sync after S3 resume.
- Added Half Ratio support for Half Ratio capable processors.
- Implemented Fault Tolerant Firmware ID solution.
- Added check for Supervisor/User password before allowing update.
- Added the Downgrade password security check.
- Added the \$FID check to find the BIOS ID.
- Updated AMT: Enterprise Provision record: Cert. Serial Num. mismatch.
- Added handler for AP exception
- Fix potential intermittent S3 failure
- Implemented new SMRR feature according to the new BWG.
- Added support in boot block to read EFI variables from VPD backup region if the system had reset in the middle of VPD reclaim.
- Add memory speed override value to Setup Main page.
- Fixed issue with TXT S3 Resume causing txt error code.
- Split the BuildVariables files into TimeStamp and BuildVariables.
- Fixed issue where SMBIOS Type 10 (On Board Devices Information) structure for On-board LAN "Description" field is incorrect when On-board LAN is disabled.
- Fixed issue with READY2BOOT SMI callback calling out of SMRAM.
- Fixed SMBIOS issues seen with the WLK 1.3 SMBIOS HCT test.
- Updated support for high power PCIe adapters.
- Updated RAID option ROM: Intel(R) RAID for SATA - v8.9.0.1023
- Fixed SMBIOS issues seen with the WLK 1.4 SMBIOS HCT test.
- Updated PXE UNDI for Intel(R) 82566 Gigabit LAN to version 1.3.27.
- Added SMM security patch.

BIOS Version 1056

About This Release:

- April 28, 2009
- JOQ3510J.86A.1056.2009.0427.2004
- VBIOS info:

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

Build Number: 1653 PC 14.34 06/08/2008 20:37:36.

- SATA RAID info:
Intel(R) RAID for SATA - v8.6.0.1007
- 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:

- Fixed issue where system does not restore DPR register on resume.
- Added security for SMM.
- Fixed issue for TXT S3 Resume causing txt error code.
- VTD requirement Zero memory used for IGD GTT.
- Added Txt S-Clean S-check fix for SMRR.
- Fixed issues where certain controllers do not work.
- Added CPU SMRR feature support.
- Fixed READY2BOOT SMI callback calling out of SMRAM.
- Fixed invalid event "Memory Size Decrease" and "Intel ME Interface Initialization failed" logged after BIOS update with Express BIOS Update, iFlash reboot method and BIOS recovery method.

BIOS Version 1016

About This Release:

- January 22, 2009
- JOQ3510J.86A.1016.2009.0122.0019
- VBIOS info:
Build Number: 1653 PC 14.34 06/08/2008 20:37:36.
- SATA RAID info:
Intel(R) RAID for SATA - v8.6.0.1007
- 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:

- Add a workaround to fix an issue of not detecting HDD after booting to WinPE using PXE.
- Fixed potential failures on S3 resume due to bad algorithm for clock chip programming.
- Fixed WOL from S5 feature not working.

BIOS Version 0991

About This Release:

- January 9, 2009
- JOQ3510J.86A.0991.2009.0108.1847
- VBIOS info:
Build Number: 1653 PC 14.34 06/08/2008 20:37:36.
- SATA RAID info:

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

Intel(R) RAID for SATA - v8.6.0.1007

- 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:

- Added support in boot block to read EFI variables from VPD backup region if the system had reset in the middle of VPD reclaim.
- Fixed system not restore of DPR register on resume.
- Changed 'Intel(R) EM64T Capable' to 'INTEL 64 ARCHITECTURE CAPABLE'.
- Fixed system hang at POST code 5Ah when attached with certain optical drives or during AMT-IDER.
- Added SMBIOS Processor Family update.
- Fixed highest supported PCI bus number chipset/ACPI mismatch.
- Added support for Page Up/Page Down key for scrolling options in Setup popup windows.
- Fixed issue where Setup Page Title remains unchanged when switching to foreign language
- Fixed a potential system hang issue due to infinite loop in the variable function.
- Added feature to generate dynamic DMAR table entries.
- Updated TXT Heap table CPU count information.
- Fixed AMT PET message "DISK OR DISK BAY - UNKNOWN SENSOR TYPE #30" not populated when there is no bootable device.
- Fixed issue where Intel Badge doesn't show after logo is updated by Intel® Integrator Toolkit.
- Fixed issue where EFI boot images are not seen on IDE CD/DVD devices.
- Fixed a potential VPD corruption issue
- Added check for BIOS ID during BIOS recovery.
- Fixed issue where the boot order is not synchronized in Intel® Integrator Assistant (IIA) with F2 setup when boot devices are disabled in Normal mode and re-enabled in Advance mode.
- Fixed issue where boot order was not synchronized in IIA when boot order is hidden.
- Updated RAID option ROM: Intel(R) RAID for SATA - v8.6.0.1007
- Fixed an issue where an error would occur when running Express BIOS Update (EBU) after running iflashwin.
- Fixed EBU to allow custom BIOS to be loaded over standard BIOS
- Fixed EBU generated internal error.
- Fixed issue where post installer did not delete FlexEng.dll from temporary folder.
- Fixed issue where system shows no bootable device message when remove UEFI Vista HD.
- Fixed IA32_FEATURE_CONTROL_MSR bit 0 not being set during S3 resume.

BIOS Version 0954

About This Release:

- September 23, 2008

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

- JOQ3510J.86A.0954.2008.0922.2331
- 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:

- Added feature to allow USB keyboard to be available for entering BIOS setup even if USB ports are set to disabled.
- Added support to allow system boot to PXE when wake on LAN from S5.
- Fixed issue where USB drives were not bootable after using USBoot* tool.

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.

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

- 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.
- Updated processor support.
- Fixed issue where hardware virtualization is not available after S3 resume.
- Added ability to disable C1E for DQ35J0 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.
- 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.

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- 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.
- 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 Typel31 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:

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

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.
- 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

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

- 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.

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

- 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:

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

- 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:

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

- 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

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

- 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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