



PRODUCTS: D915GVWB, D910GLDW (Standard BIOS)

BIOS Version 1319**About This Release:**

- October 12, 2005
- WB91X10J.86A.1319.2005.1012.0939
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- Video BIOS Build Number 1239.

Fixes/Features:

- Updated 915G Video BIOS to Build 1239.
- Fixed the DVMT only allows 96MB of video memory in windows by updated MBI support according to spec rev1.3.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the FIOS. The '/rb' command forces system restart during flash update process.

BIOS Version 1315**About This Release:**

- August 18, 2005
- WB91X10J.86A.1315.2005.0818.1005
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 1229

Fixes/Features:

- Fixed PCI Slot 2 not function due to clock being turned off.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the FIOS. The '/rb' command forces system restart during flash update process.

BIOS Version 1314**About This Release:**

- August 16, 2005
- WB91X10J.86A.1314.2005.0816.2139
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 1229

Fixes/Features:

- Fixed PXE intermittent fail to download Remote Boot Image (NBP).
- Fixed OS HPA partition fail with SetMax command.

- Fixed issue where Masterview*+ CS114A KVM switch would reset just before system boot.
- Fixed intermittent system hang or long delay just before boot to USB device.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the FIOS. The '/rb' command forces system restart during flash update process.

BIOS Version 1308

About This Release:

- July 07, 2005
- WB91X10J.86A.1308.2005.0707.1453
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 1229

Fixes/Features:

- Updated 915G Video BIOS to Build 1229.
- Updated the TWR programming in the memory code.
- Added Flex Logo & Optional Module support.
- Updated Tiano Flex Integrator Toolkit (ITK) map file to not be backwards compatible with previous versions of Integrator Toolkit.
- Added support for writing SMBIOS data securely via EFI variables.
- Added support for reporting greater than 4GB of memory to the E820.
- Corrected a spelling mistake in MemorySetup function where "UNSUPPORTED" was spelled as "UNSUPPORTTED".
- Fixed a problem where the system would not correctly flash with Express BIOS Update or IFLASH with the /rb switch.
- Fixed boot hang issue if previously system was in ACPI S3 state and AC power was removed.
- Fixed a problem where the system would power on, even if the setup option for power state after AC loss was set to power off.
- Fixed a problem where the setup option for Execute Disable did not work correctly.
- Fixed the problem where F9 key Load Setup defaults loads existing Setup values instead of BIOS defaults in Maintenance mode.
- Fixed 1394 controller re-appears after S3 resume.
- Fixed some CDROM recovery issues.
- Fixed issue where some CD-ROMs/DVD-ROMs attached as master with no slave were causing long delays in POST.
- Fixed issue where Sony* CDU76E CD-ROM is not detected and not bootable by the BIOS.
- Fixed delay at checkpoint 0x5A when certain CD drives are attached to the system as master drives.
- Fixed some issue with SMBIOS Type 4 CPU Information.
- Fixed some issue with SMBIOS Type 17 information.
- Cleared CR4[10:9] before boot as per BWG recommendation.
- Enabled accurate tachometer readings for 3-pin fan headers.
- Adding Setup warning message for "Exit without Changes".
- Fixed some BIOS Setup Popup boxes displaying strings with incorrect colors.
- OEM and OSB logo support capability for 640x480 and 1024x768 video resolution.
- Implemented a default Intel inside logo display method.
- Fixed maintenance mode to not clear passwords or force defaults.
- Fixed EIST setup question based on processor capability.
- Fixed several second delays in POST while performing PS/2 port swapping.
- Fixed a problem where the BIOS would steal 2MB system memory for BIOS usage.

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

- Fixed issue where the NetCell* SyncRAID 3100 card was not able to boot.
- Added display of "System in Manufacturing Mode" when system is in manufacturing mode.
- Load manufacturing default into setup variable if boot up with manufacturing mode.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the FIOS. The '/rb' command forces system restart during flash update process.

BIOS Version 1302

About This Release:

- June 20, 2005
- WB91X10J.86A.1302.2005.0620.1005
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 1216

Fixes/Features:

- Always default to the onboard Video when powering up for the first time.
- Fixed Audio Verb Table programming values.
- Fixed APM function "Set Power State" "off" not functioning.
- Fixed issue where fifth BIOS drive (84h) is not accessible via INT13h in certain system configurations.
- Fixed issue where Windows was unable to enable DMA on SATA drives attached to the system.
- Fixed PATA Device detection problem when TBU drive connected.
- Added support for sending Security Freeze Lock command during POST to drives that support the security feature set.
- Fixed issue where certain slower CD-ROMs were not able to boot.
- Fixed slow POST when certain CD-ROMs are attached to the system.
- Fixed issue where some CD-ROM drives are not detected in BIOS SETUP.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the FIOS. The '/rb' command forces system restart during flash update process.

BIOS Version 1296

About This Release:

- June 08, 2005
- WB91X10J.86A.1296.2005.0608.0937
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 1216

Fixes/Features:

- Fixed COM1 missing in WB1296.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the FIOS. The '/rb' command forces system restart during flash update process.

About This Release:

- May 31, 2005
- WB91X10J.86A.1295.2005.0531.2140
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 1216

Fixes/Features:

- Updated 915G Video BIOS to Build 1216.
- Fixed intermittent AMIDdiag* fail on FDC test.
- Fixed boot fail to PXE through PCI NIC card.
- Sync up with new function to generate the SMBIOS Memory Device Supplemental (Type 187) table.
- Sync up by added missing Message Translations.
- Sync up the fixed clock support for multiple clock routings to make clock routing defined by the platform driver.
- Sync up the code size reduction effort to save flash space in boot block and main block.
- Sync up by added check for User access level Limited, Full, & Supervisor mode.
- Sync up the reduce PEI Space by including the variable base instead of using a PPI.
- Sync up by added fix where User Access Reset to Full & hide User Access question when Supervisor Password Cleared.
- Sync up the displays additional help message upon 3 incorrect passwords.
- Sync up the fixed issue where system rebooted after exiting setup using menus in Configuration Mode.
- Sync up the fixed Setup One Of popup not updating "changes" in status bar.
- Sync up by created an SMI-based EFI Variable interface.
- Sync up the alpha Tiano Flex FIOS implementation.
- Sync up by fix the undetectable Sony USB thumb drive issue.
- Sync up by fix the issue where several WD and Samsung SATA drives can not boot to Windows, but copying files is fine.
- Sync up by fixed issue where some keystrokes were not being recognized during POST.
- Sync up by corrected checks of IDE Device Ids for AHCI and Raid options.
- Sync up the fixed a problem where BIOS fails to list a SATA Optical Drive as a bootable device when in RAID mode.
- Sync up by added setup option to Enable/Disable C1E.
- Sync up the disabled USB Boot in MFG Mode to satisfy DFX.
- Sync up the fixed issue where system booted very slow with >=4GB of physical memory and certain legacy PCI video cards. This issue was due to incorrect MTRR programming.
- Sync up by fixed the issue EIST not working properly with HT enabled CPUs.
- Updated the Audio Verb table and added programming of SSID into the codec.
- Sync up to latest CPU module.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the FIOS. The '/rb' command forces system restart during flash update process.

About This Release:

- April 16, 2005
- WB91X10J.86A.1287.2005.0416.1556
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)

- VBIOS Build 1214.

Fixes/Features:

- Added missing Message Translations.
- Updated 915G Video BIOS to Build 1214.
- Added SMBios Memory Device Supplemental (Type 187).
- Added 32-bit PCI runtime interface.
- Added Sunrex* wireless USB keyboard legacy support.
- Fixed detection USB devices behind an USB Hub.
- Added support for 32 byte System Locked Preinstallation (SLP) string at F000:E840.
- Fixed the issue where help keys can overlap the help area.
- Added support for Intel Stable Image Platform Program.
- Added check for User access level Limited, Full, & Supervisor mode.
- Add support for Wake On LAN from S5 from any LAN card in the system.
- Added fix where User Access Reset to Full & hide User Access question when Supervisor Password Cleared.
- Added Fix where ']' right bracket was not clearing.
- Fixed system kernel panic when installing RedHat* Linux.
- OEM and OSB logo support capability for 640x480 and 1024x768 video resolution.
- Added error logging and reporting for memory sticks with bad SPD or non optimal memory configurations.
- Fixed maintenance mode clearing passwords.
- Synched up "Load Optimal Defaults" behavior to be consistent with "F9 Load Defaults" behavior in Setup.
- Fixed display of setup popup with one-of entries in Boot page.
- Fixed incorrect password functionality when user access set to View Only or No Access.
- Displays additional help message upon 3 incorrect passwords.
- Fixed a problem where 3Dmark* results on add-in PCI Express graphics cards were poor.
- Add PCI PME disable for 1394 chip workaround 1394 chip is causing PCI PME signal to bounce the system out of S3 and S4.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the FIOS. The '/rb' command forces system restart during flash update process.

BIOS Version 1037

About This Release:

- February 16, 2005
- WB91X10J.86A.1037.2005.0216.1050
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 3402

Fixes/Features:

- Fixed hardware monitoring does not work after coming out of S3, by enable save/restore Heceta6 registers.
- Set the POST code to 0x10 coming out of S1 and set the POST code to 0x30 coming out of S3 to conform to new DFX 1767 rules.
- Disabled unused PCI Slot clock.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the FIOS. The '/rb' command forces system restart during flash update process.

BIOS Version 0813

About This Release:

- January 27, 2005
- WB91X10J.86A.0813.2005.0126.1618
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 3402

Fixes/Features:

- Fixed issues with 533FSB and DDR400 dual channel memory.
- Fixed an issue where the CPU multiplier and FSB speed was displayed incorrectly in setup.
- Updated CSM to prevent reset hangs in VM86 mode.
- Fixed the build with new OEM ID.
- Fixed EBU failure.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the BIOS. The '/rb' command forces system restart during flash update process.

BIOS Version 0783

About This Release:

- January 14, 2005
- WB91X10J.86A.0783.2005.0114.1053
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 3402

Fixes/Features:

- Fixed Wake on via magic packet from S5 for on-board LAN.
- Updated to support EMT64, EIST and xD.
- Added entry for F43 processor cache descriptor allowing the L2 cache size to be displayed properly.
- Fixed custom splash screen corruption (JPEG corruption).

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the '/rb' command line switch to successfully update the BIOS. The '/rb' command forces system restart during flash update process.

BIOS Version 0735

About This Release:

- December 22, 2004
- WB91X10J.86A.0735.2004.1222.1311
- Intel® Boot Agent FE v4.1.16
- Intel® Boot Agent PXE Base Code 4.1.16 (PXE-2.1 build 084)
- VBIOS Build 3402

Fixes/Features:

- Changed setup default for "Display Setup Prompt" from "On" to "Off".

- Updated CSM to fix: failure to install DOS6.22 with keyb.com, failure to install SCO UNIX, failure of Linux “Warty Warthog” live CD, and failure of ETTOOL.
- Fixed issue where a Davicom* Lanstar hangs the system.
- Disabled USB Boot in MFG Mode to satisfy DFX.
- Fixed incorrect password functionality when user access set to View Only or No Access.
- Set the POST code to 0x10 coming out of S1 and set the POST code to 0x30 coming out of S3 to conform to new DFX 1767 rules.
- Fixed possible memory size display error.
- Fixed issue where USB devices will boot even if USB Boot is disabled.
- Added OEM and OSB logo support capability for 640x480 and 1024x768 video resolutions.
- Changed SMBIOS Type 4 System Bus Speed reported to be consistent with previous products. Previous products returned the actual processor BCLK value in SMBIOS Type 4.
- Updated strings: Changed NX to XD.
- Updated PXE base and UNDI ROMs.

Known Errata:

- When using IFlash to update from version WB0665 or earlier to version WB0690 or greater, you must use the ‘/rb’ command line switch to successfully update the BIOS. The ‘/rb’ command forces system restart during flash update process.