



Intel Corporation, 5200 NE Elam Young Parkway  
Hillsboro, OR 97124-6497

---

**DATE:** March 24, 2005  
**PRODUCT:** D915GAG / D915GAV / D915GEV / D915GHA / D915GRF / D915GUX  
/D915GMH Standard BIOS

---

#### Build 0431

**About This Release:**

- March 24, 2005
- EV91510A.86A.0431.2005.0324.1533
- Core Baseline version 01.07.00
- VBIOS build 1214
- UNDI 4.1.16
- Marvell UNDI 3.03

**New Fixes/Features:**

- Fixed incorrect Com B string in BIOS setup.

**Known Errata:**

- None.

**Notes to Validation:**

- None.

#### Build 0422

**About This Release:**

- March 21, 2005
- EV91510A.86A.0422.2005.0320.1816
- Core Baseline version 01.07.00
- VBIOS build 1214
- UNDI 4.1.16
- Marvell UNDI 3.03

**New Fixes/Features:**

- Updated latest Video BIOS.

**Known Errata:**

- None.

**Notes to Validation:**

- None.

#### Build 0421

**About This Release:**

- February 23, 2005
- EV91510A.86A.0421.2005.0223.0746
- Core Baseline version 01.07.00
- VBIOS build 1206
- UNDI 4.1.16
- Marvell UNDI 3.03

**New Fixes/Features:**

- Fixed 4GB memory report incorrectly during POST
- Added Com B support for specific board.
- Updated latest Video BIOS.

**Known Errata:**

- None.

**Notes to Validation:**

- None.

**Build 0418****About This Release:**

- February 16, 2005
- EV91510A.86A.0418.2005.0216.1032
- Core Baseline version 01.07.00
- VBIOS build 3402
- UNDI 4.1.16
- Marvell UNDI 3.03

**New Fixes/Features:**

- Updated latest Video BIOS.

**Known Errata:**

- None.

**Notes to Validation:**

- None.

**Build 0401****About This Release:**

- January 28, 2005
- EV91510A.86A.0401.2005.0128.0809
- Core Baseline version 01.07.00
- VBIOS build 3414
- UNDI 4.1.16
- Marvell UNDI 3.03

**New Fixes/Features:**

- Updated Express BIOSUpdate packager.

**Known Errata:**

- None.

**Notes to Validation:**

- None.

**Build 0400****About This Release:**

- January 26, 2005
- EV91510A.86A.0400.2005.0126.1734
- Core Baseline version 01.07.00
- VBIOS build 3414

- UNDI 4.1.16
- Marvell UNDI 3.03

**New Fixes/Features:**

- Updated processor patches.

**Known Errata:**

- None.

**Notes to Validation:**

- None.

**Build 0391**

**About This Release:**

- December 22, 2004
- EV91510A.86A.0391.2004.1222.0154
- Core Baseline version 01.07.00
- VBIOS build 3414
- UNDI 4.1.16
- Marvell UNDI 3.03

**New Fixes/Features:**

- Update to latest Intel® Application Accelerator SATA RAID Option ROM.
- Added GV3 support for latest Intel® Pentium® 4 Processor.
- Updated processor patches.
- Fixed system hang when Power Button override happen during S3.

**Known Errata:**

- None.

**Notes to Validation:**

- None.

**Build 0332**

**About This Release:**

- December 01, 2004
- EV91510A.86A.0332.2004.1201.0225
- Core Baseline version 01.07.00
- VBIOS build 3414
- UNDI 4.1.16
- Marvell UNDI 3.03

**New Fixes/Features:**

- Updated CPU firmware.
- Added POST beep codes when video card is not detected.
- Fixed issue where the USB 2.0 Legacy Support BIOS SETUP option was not visible in ITK.

**Build 0322**

**About This Release:**

- November 18, 2004
- EV91510A.86A.0322.2004.1118.1337
- Core Baseline version 01.07.00
- VBIOS build 3414
- UNDI 4.1.16
- Marvell UNDI 3.03

**New Fixes/Features:**

- Updated UNDI code to v4.1.16.
- Updated Video BIOS to Build 3414.
- Added SMBIOS structure to support Intel Stable Image Platform Program (ISIPP).

**Build 0308****About This Release:**

- October 18, 2004
- EV91510A.86A.0308.2004.1018.1127
- Core Baseline version 01.07.00
- VBIOS build 3402
- UNDI 4.1.15
- Marvell UNDI 3.03

**New Fixes/Features:**

- Updated Manufacturing Default for USB Boot to Disabled.
- Fixed issues with PCI memory and I/O space allocations.
- Fixed an issue of improper CPU temperature reporting in BIOS hardware monitoring.
- Fixed a system hang during installation of certain operating systems when only a USB keyboard is attached.

**Build 0283****About This Release:**

- September 24, 2004
- EV91510A.86A.0283.2004.0924.1109
- Core Baseline version 01.07.00
- VBIOS build 3398
- UNDI 4.1.10
- Marvell UNDI 2.05

**New Fixes/Features:**

- Fix for boot order being reordered when a USB drive is inserted and then removed while the Floppy Drive is set to Disabled.
- Fixed an issue with L2 cache size display for some processors.
- Fixed the issue when High-Definition Audio is non-functional after S3 resume.
- Fixed display of Celeron® Badge with Celeron® CPU's.
- Fixed an issue of intermittent hang when using DDR1 400 2.6V DIMMs.
- Added ASF support for non-Intel LAN vendors.
- Added DDR2 533 MHz 3-3-3 1.9V Auto-Detect code.
- Changed the default splash image name to "Default BIOS POST Image".

## Build 0276

### About This Release:

- September 10, 2004
- EV91510A.86A.0276.2004.0910.1659
- Core Baseline version 01.07.00
- VBIOS build 3398
- UNDI 4.1.10
- Marvell UNDI 2.05

### New Fixes/Features:

- Fixed the issue, where system hangs with SCSI card and SCSI drive installed on D915G Development Platforms with support for TSEG SMI handler.
- Fixed the issue with L2 cache size display for some processors.
- Fixed an issue with extended POST times.
- Updated 915G Video BIOS to Build 3398.
- Fixed an issue of Microsoft Windows XP hanging after installing LAN Driver on D915GMH board.
- Fixed test hang when using 2GB memory configuration.
- Implemented ICH6 BIOS spec update 1.6 SATA programming change, section #1. Also implemented SATA SRST Errata BIOS workaround.

## Build 0270

### About This Release:

- September 1, 2004
- EV91510A.86A.0270.2004.0901.1405
- Core Baseline version 01.07.00
- VBIOS build 3362
- UNDI 4.1.10
- Marvell\* UNDI 2.03

### New Fixes/Features:

- Added feature to enable password cloning for Integrator Tool Kit.
- Updated system security by increasing length of supervisor and user passwords from 7 to 16 characters and moving the storage location of user and supervisor passwords out of system CMOS.
- Added a switch in BIOS Setup to disable all USB ports while in Maintenance mode.
- Changed the default DVMT size to 128MB instead of 64MB.
- Changed to not waiting for keyboard while in manufacturing mode if 2x12 or 1x4 power connector is not plugged into the system.
- Fixed issue where devices installed in PCI Express\* Slots do not function.
- Added workaround for S3/S4 transition issue.
- Fixed POST code 38h hang when installing USB Card Reader.
- Added workaround for ATI\* PCI Express RV423 hang when running 3DMark03.
- Fixed system hang when executing Integrator Tool Kit in VM86 mode.
- Fixed the problem where BIOS could not program Hardware Monitor chip with certain processor revisions.

---

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

- Fixed manufacturing issue where POST cards on some boards would stop displaying at POST code DAh.
- Updated the pulse width stretching sequence in POST.
- Fixed 1394 devices lost after resuming from S3.

#### **Build 0260**

##### **About This Release:**

- July 30, 2004
- EV91510A.86A.0260.2004.0730.1128
- Core Baseline version 01.07.00
- VBIOS build 3362
- UNDI 4.1.10
- Marvell\* UNDI 2.03

##### **New Fixes/Features:**

- Fixed rear chassis fan fluctuation after resuming from S3.

#### **Build 0255**

##### **About This Release:**

- July 28, 2004
- EV91510A.86A.0255.2004.0728.1104
- Core Baseline version 01.07.00
- VBIOS build 3362
- UNDI 4.1.10
- Marvell\* UNDI 2.03

##### **New Fixes/Features:**

- Fixed memory test failure with 1GB memory installed and on-board graphics.
- Fixed S3 resume issue with certain chipset revision.
- Added BTX BMI support for SMSC\* and ADI\* Precision Cooling devices.
- Updated BMI Sequence for Precision Cooling support.

#### **Build 0244**

##### **About This Release:**

- July 15, 2004
- EV91510A.86A.0244.2004.0715.1600
- Core Baseline version 01.07.00
- VBIOS build 3362
- UNDI 4.1.10
- Marvell\* UNDI 2.03

##### **New Fixes/Features:**

- Updated Marvell\* PXE code to version 2.05.
- Fixed POST Code 0D5h hang issues with certain DIMMs.
- Updated Video Add-in code with more dynamic algorithm per primary and secondary video operational models.
- Fixed corruption seen in "El-Torito" CD boot menu.
- Fixed the issue of not being able to boot to SATA ATAPI drives when RAID is enabled.

---

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

- Added a warning message in POST if 2x12 or 1x4 power connector is not plugged into the system.
- Resolved issue where TPM is disappears intermittently.

#### **Build 0234**

##### **About This Release:**

- June 29, 2004
- EV91510A.86A.0234.2004.0629.1028
- Core Baseline version 01.07.00
- VBIOS build 3362
- UNDI 4.1.10
- Marvell\* UNDI 2.03

##### **New Fixes/Features:**

- Fixed issue where system would not complete POST if no video card plugged in and a LAN card present.
- Fixed issue where system was unable to PXE boot if certain PCI IDE controller cards are installed.
- Changed default LED state from yellow to green.
- Updated SIO GPIO programming.
- Updated Video BIOS to Build 3362.

#### **Build 0213**

##### **About This Release:**

- June 09, 2004
- EV91510A.86A.0213.2004.0609.1722
- Core Baseline version 01.07.00
- VBIOS build 3329
- UNDI 4.1.10
- Marvell\* UNDI 2.03

##### **New Fixes/Features:**

- Fixed an issue of losing audio after resuming from S3.

#### **Build 0211**

##### **About This Release:**

- June 04, 2004
- EV91510A.86A.0211.2004.0604.1616
- Core Baseline version 01.07.00
- VBIOS build 3329
- UNDI 4.1.10
- Marvell UNDI 2.03

##### **New Fixes/Features:**

- Added support for NX and PSMI.
- Added a workaround to enable LAN when CMOS is corrupt.

#### **Version 0209**

##### **About This Release:**

- May 26, 2004
- EV91510A.86A.0209.2004.0526.1812
- Core Baseline version 01.07.00
- VBIOS build 3329
- UNDI 4.1.10

**New Fixes/Features:**

- Initial Release