PRODUCTS: D915GEV, D915GUX, D915GAG, D915GAV, D915GMH, D915GHA, D915GRF (Standard BIOS)

`BIOS Version 0478`

About This Release:
- December 29, 2005
- EV91510A.86A.0478.2005.1229.0218
- Core Baseline version 01.07.00
- VBIOS build 1239
- UNDI 4.1.16
- Marvell* UNDI 3.03

New Fixes/Features:
- Updated new Intel Master Brand logo.
- Updated new IDBO background image with new Intel Logo.
- Added CPU VT feature support.
- Added fix to enable Pulse Width Stretching function for SMSC Heceta.

`BIOS Version 0477`

About This Release:
- December 19, 2005
- EV91510A.86A.0477.2005.1218.2319
- Core Baseline version 01.07.00
- VBIOS build 1239
- UNDI 4.1.16
- Marvell*UNDI 3.03

New Fixes/Features:
- Fix the issue where system cannot resume from S4.
- Restore board ID due to the changes of a bit of board ID after S5 WOL event.

`BIOS Version 0475`

About This Release:
- November 10, 2005
- EV91510A.86A.0475.2005.1110.1243
- Core Baseline version 01.07.00
- VBIOS build 1239
- UNDI 4.1.16
- Marvell* UNDI 3.03

New Fixes/Features:
- Added workaround for hang issue with certain graphics cards.
- Updated processor support.

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

```
BIOS Version 0470
```

About This Release:
- September 14, 2005
- EV91510A.86A.0470.2005.0914.1828
- Core Baseline version 01.07.00
- VBIOS build 1239
- UNDI 4.1.16
- Marvell* UNDI 3.03

New Fixes/Features:
- Updated VBios 1239.
- Updated PCIe x16 Link Recovery Algorithm with Squelch Adjustment#1 and Squelch Adjustment#2.

```
BIOS Version 0469
```

About This Release:
- August 24, 2005
- EV91510A.86A.0469.2005.0824.1721
- Core Baseline version 01.07.00
- VBIOS build 1235
- UNDI 4.1.16
- Marvell* UNDI 3.03

New Fixes/Features:
- Updated VBios to 1235.
- Set the system to boot from IGD when in manufacturing mode and there are on-board graphics available.
- Changed the supervisor and user passwords to support non-alphanumeric keyboard characters.
- Fixed LAN issue found when system is shutdown using the power button override.
- Updated verb table values.
- Updated Portuguese translation.

```
BIOS Version 0464
```

About This Release:
- July 29, 2005
- V91510A.86A.0464.2005.0728.1609
- Core Baseline version 01.07.00
- VBIOS build 3402
- UNDI 4.1.16
- Marvell* UNDI 3.03

New Fixes/Features:
- Set "PXE boot to LAN" to disabled in manufacturing mode.
- Updated VBIOS to 3402.
- Fixed ability to use IFlash to update BIOS when EMM386 is installed.
- Set the option "PXE boot to LAN" to disabled when option "On Board LAN" is set to disabled.
- Added IGD option in the "Primary Video Adapter" menu and set as default.

```
BIOS Version 0457
```

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

About This Release:
- July 7, 2005
- EV91510A.86A.0457.2005.0707.1708
- Core Baseline version 01.07.00
- VBIOS build 1229
- UNDI 4.1.16
- Marvell* UNDI 3.03

New Fixes/Features:
- Updated processor support.
- Updated VBIOS.
- Added support for the 25X multiplier for specific CPUs.
- Improved S3 resume time.
- Added SMBIOS 2.4 spec support for PCIx and memory information.
- Fixed an issue with possible flash corruption.
- Set the Intel® Hyper Threading logo to show when the system wakes from hibernation.
- Set PCIx "Compliance Test Pattern" to enable for manufacturing mode.
- Corrected protected CMOS issue in manufacturing mode.
- Updated support for Intel® Enhanced Speedstep Technology.
- Fixed Intel® Trusted Platform Module bug.
- Fixed recognition of USB keyboard in BIOS setup.
- Added support for a specific PCIx 4-port video card.
- Fixed issue where some PCI Express cards were not detected during POST.
- Fixed CD recovery issue.

```
BIOS Version 0444
```

About This Release:
- April 29, 2005
- EV91510A.86A.0444.2005.0429.2108
- Core Baseline version 01.07.00
- VBIOS build 1214
- UNDI 4.1.16
- Marvell* UNDI 3.03

New Fixes/Features:
- Initialized the Heceta6 fan control after boot block to provide better user experience by reducing the duration the fan spin at full speed.
- Updated Verb table for 3 jack and 5 jack audio and added programming of SSID into Codec.

```
BIOS Version 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.

```
BIOS Version 0422
```

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

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.

```
BIOS Version 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.

```
BIOS Version 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.

```
BIOS Version 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 BIOS Update packager.

```
BIOS Version 0400
```

About This Release:

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

- 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.

BIOS Version 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.

BIOS Version 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.

BIOS Version 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).

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```
BIOS Version 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.

```
BIOS Version 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".

```
BIOS Version 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.

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- 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.

```
BIOS Version 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 2.05

New Fixes/Features:
- Added feature to enable password cloning for Integrator Toolkit.
- 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.
- 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.

```
BIOS Version 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 2.05

New Fixes/Features:
- Fixed rear chassis fan fluctuation after resuming from S3.

```
BIOS Version 0255
```

About This Release:
- July 28, 2004
- EV91510A.86A.0255.2004.0728.1104
- Core Baseline version 01.07.00

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- VBIOS build 3362
- UNDI 4.1.10
- Marvell* UNDI 2.05

New Fixes/Features:
- Fixed memory test failure with 1GB memory installed and onboard 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.

```
BIOS Version 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 2.05

New Fixes/Features:
- 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.
- 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.

```
BIOS Version 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 2.05

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* GIPIO programming.
- Updated Video BIOS to Build 3362.

```
BIOS Version 0213
```

About This Release:
- June 09, 2004
- EV91510A.86A.0213.2004.0609.1722
- Core Baseline version 01.07.00

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- VBIOS build 3329
- UNDI 4.1.10
- Marvell* UNDI 2.03

New Fixes/Features:
- Fixed an issue of losing audio after resuming from S3.

```
BIOS Version 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.

```
BIOS 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
- Marvell* UNDI 2.03

New Fixes/Features:
- Initial release.

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