



## BIOS Update Release Notes

**PRODUCTS: CM11EBV58W, CM11EBV716W**

**EBTGLMIV.0056.2021.0507.1806 Production BIOS**

### About This Release:

- Date: May 7, 2021
- ROM Image Checksum: 0x0382
- ME Firmware: Corporate 15.0.22.1680
- EC1 Firmware:
  - AB\_A: 2.23.0
  - AB\_B: 2.23.0
  - AB\_C: 2.23.0
  - BB: 2.21.0
  - Test Board: 2.16.0
  - FB: 2.24.0
  - EB Test Board: 3.1.0\_1.16r11
  - CC:  
3.2.0\_1.17\_r23\_OEM\_0.0.2\_PD\_240200002120\_8233\_010205\_  
PDT\_201217
  - GB: 2.5.0\_v1.17r10
- EC2 Firmware: 2.17.0
- PMC Firmware: 150.01.20.1033
- Boot Guard ACM: 1.14.10
- Memory Reference Code: 1.0.12.0
- MEBx Revision: 15.0.0.0003
- Integrated Graphics:
  - UEFI Driver: 17.0.1059
- Intel RST VMD Pre-OS:
  - UEFI Driver: 18.1.1.5201
- AHCI Code: Based on AHCI\_24
- Visual BIOS: Intel Text Setup
- Supported Flash Devices:
  - WinBond W25Q256JV 32MB
  - GigaDevice GD25B256D 32MB
  - Macronix MX77L25650F 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - m\_80\_806c1\_0000007e.pdb

### New Fixes/Features:

- Fixed issue with Bluetooth device yellow mark after S4 resume.
- Fixed Security Jumper Display string.
- Updated PCH ChipsetInit Firmware.
- Updated CPU Microcode to version 0x7e.
- Enabled token "BEEP\_ENABLE" to make sound.
- Corrected the battery information data and battery mode string behavior.
- Added ability to achieve arbitrary write in SMRAM save state region.

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

- Updated ME Firmware to 15.0.22.1680.
- Updated AB/BB/FB EC Firmware.
- Updated CC carrier EC Firmware to 3.2.0\_1.17.
- Updated OemModulePkg.
- Fixed OFBD module SMI handler vulnerabilities.
- Corrected the string shown on exiting config mode.
- Fixed issue while taking pictures with internal webcam did not show mirror image.
- Updated NTFS DXE driver when parsing NTFS file system partition.

**BIOS Version 0049 - EBTGLMIV.0049.2021.0226.2146**

**About This Release:**

- Date: February 26, 2021
- ROM Image Checksum: 0x92F2
- ME Firmware: Corporate 15.0.10.1447
- EC1 Firmware:
  - AB\_A: 2.21.0
  - AB\_B: 2.21.0
  - AB\_C: 2.21.0
  - BB: 2.19.0
  - Test Board: 2.16.0
  - FB: 2.22.0
  - EB Test Board: 3.1.0\_1.16r11
  - CC: 3.0.16\_1.17\_r19\_OEM\_0.0.1\_PD\_190100002120\_8233\_010203
  - GB: 2.5.0\_v1.17r10
- EC2 Firmware: 2.15.0
- PMC Firmware: 150.01.20.1028
- Boot Guard ACM: 1.14.10
- Memory Reference Code: 1.0.10.0
- MEBx Revision: 15.0.0.0003
- Integrated Graphics:
  - UEFI Driver: 17.0.1052
- Intel RST VMD Pre-OS:
  - UEFI Driver: 18.1.1.5201
- AHCI Code: Based on AHCI\_24
- Visual BIOS: Intel Text Setup
- Supported Flash Devices:
  - WinBond W25Q256JV 32MB
  - GigaDevice GD25B256D 32MB
  - Macronix MX77L25650F 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - m\_80\_806c1\_00000072.pdb

**New Fixes/Features:**

- Updated battery information in BIOS setup.
- Updated Trusted Product Module Firmware.
- Updated Retimer Firmware to rev. 1.7.

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- Fixed issue with Unique ID (UUID) that could not be updated under certain conditions.
- Updated ME Firmware Interface Table (FIT) setting.
- Updated GB EC Firmware.
- Fixed issue where a WatchDog event was triggered after persistent mode was enabled.

**BIOS Version 0045 - EBTGLMIV.0045.2021.0118.1833**

**About This Release:**

- Date: January 18, 2021
- ROM Image Checksum: 0x44C7
- ME Firmware: Corporate 15.0.10.1447
- EC1 Firmware:
  - AB\_A: 2.20.0
  - AB\_B: 2.20.0
  - AB\_C: 2.20.0
  - BB: 2.18.0
  - Test Board: 2.16.0
  - FB: 2.20.0
  - EB Test Board: 3.1.0\_1.16r11
  - CC: 3.0.13\_1.17\_r18\_OEM\_0.0.1\_PD\_131100002020\_8233\_010202
  - GB: 2.3.0\_v1.16r9
- EC2 Firmware: 2.15.0
- PMC Firmware: 150.01.20.1028
- Boot Guard ACM: 1.14.10
- Memory Reference Code: 1.0.10.0
- MEBx Revision: 15.0.0.0003
- Integrated Graphics:
  - UEFI Driver: 17.0.1052
- Intel RST VMD Pre-OS:
  - UEFI Driver: 18.1.1.5201
- AHCI Code: Based on AHCI\_24
- Visual BIOS: Intel Text Setup
- Supported Flash Devices:
  - WinBond W25Q256JV 32MB
  - GigaDevice GD25B256D 32MB
  - Macronix MX77L25650F 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - m\_80\_806c1\_00000072.pdb

**New Fixes/Features:**

- Fixed issues with "F7" BIOS update failure, delays in reboot time and unexpected system shutdowns.

**BIOS Version 0036 - EBTGLMIV.0036.2020.1124.2027**

**About This Release:**

- Date: November 24, 2020
- ROM Image Checksum: 0x52F5
- ME Firmware: Corporate 15.0.10.1447

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

- EC1 Firmware:
  - AB\_A: 2.20.0
  - AB\_B: 2.20.0
  - AB\_C: 2.20.0
  - BB: 2.18.0
  - Test Board: 2.16.0
  - FB: 2.20.0
  - EB Test Board: 2.3.0\_1.16r9
  - CC: 2.1.3\_1.16\_r13\_v0.7\_v1.2.2\_03112020
  - GB: 2.1.0\_v1.16r7
- EC2 Firmware: 2.15.0
- PMC Firmware: 150.01.20.1028
- Boot Guard ACM: 1.14.10
- Memory Reference Code: 1.0.10.0
- MEBx Revision: 15.0.0.0003
- Integrated Graphics:
  - UEFI Driver: 17.0.1045
- Intel RST VMD Pre-OS:
  - UEFI Driver: 18.0.3.5032
- AHCI Code: Based on AHCI\_24
- Visual BIOS: Intel Text Setup
  
- Supported Flash Devices:
  - WinBond            W25Q256JV     32MB
  - GigaDevice       GD25B256D     32MB
  
- Microcode Updates included in .BIN & .CAP Files:
  - m\_80\_806c1\_0000006C.pdb

**New Fixes/Features:**

- Initial production BIOS release

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