BIOS Update Release Notes

PRODUCTS: CM8v7CB, CM8v5CB

About This Release:
- Date: Sep 07, 2020
- ROM Image Checksum: 0x4F78
- ME Firmware: 12.0.68.1606
- EC1 Firmware:
  - AB_A: 2.19.0
  - AB_B: 2.19.0
  - AB_C: 2.19.0
  - BB: 2.17.0
  - Test Board: 2.15.0
  - FB: 2.19.0
- EC2 Firmware: 2.14.0
- PD Firmware: 1.6.0
- PMC Firmware: 300.1.20.1030
- Boot Guard ACM: 1.6.0
- Memory Reference Code: Based on 00.07.01.110
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
  - UEFI Driver: 9.0.1095
- Intel RST Pre-OS
  - UEFI Driver: 17.7.0.4404
- Wired LAN Adapter:
  - UEFI Driver:
    - I219: 0.0.29
    - I211: 8.7.10
    - Realtek: 2.048
  - Gbe NVM: 0.4
- AHCI Code: Based on AHCI_19
- Visual BIOS: Intel Text Setup

- Supported Flash Devices:
  WINBOND  W25Q256J  32MB

- Microcode Updates included in .BIN & .CAP Files:
  M94806EC_000000D6.pdb

New Fixes/Features:
- Fixed issue with Intel AMT message.
- Fixed DMI information error when CM8v7CB, CM8v5CB were plugged into different docking boards.
- Fixed issue with BIOS watchdog counter not clearing.
- Fixed issue where BIOS Self Recovery must be disabled if Failsafe Watchdog is disabled.
- Updated WMI and Element WMI.

*Other names and brands may be claimed as the property of others.
• Fixed LAN issue.
• Fixed issue with Extra COM device in device manager when S3 or S4 resumes.
• Fixed WHQL issue.
• Updated EC Firmware version to 2.19.0
• Fixed BIOS code for PCIE10 SCLK setting.
• Added I2C device “HID Descriptor Address” code to support ECD 1.13
• Fixed CMOS register definition.
• Updated USB Dual rule setup item string.
• Updated ME firmware to 12.0.68.1606
• Fixed issue where PWN BTN menu was triggering random failures.
• Fixed issue where ECD profile for SATA driving strength was not set correctly.
• Reviewed modern standby setting.
• Changed TOKE “FLUSH_KEYS_AFTER_READ” to 0
• Fixed system hang issue after loading defaults in BIOS setup menu.
• Fixed SRCCLKREF not set to GPIO mode if set “Always Enabled” in the ECD.
• Fixed issue updating EC Firmware when doing ME Firmware update.
• Fixed timing issue displaying Intel Logo.
• Added dual role support for front USB 3.0 Type A port.
• Fixed issue with USB S4/S5 wake function.
• Fixed issue with incorrect iSetupCfg string.
• Fixed BIOS recovery issue in Optane mode.
• Updated Intel Client Ethernet Connection I219.

Known Errata:
• EC Firmware cannot be updated when doing “F7” update from BIOS version CBV0079 to CBV0089. To overcome this known issue, please perform “F7” update twice when upgrading from CBV0079 to CBV0089.

**BIOS Version 0079 - CBWHLMIV.0079.2020.0602.1846**

**About This Release:**
• Date: June 02, 2020
• ROM Image Checksum: 0x9B3F
• ME Firmware: 12.0.49.1534
• EC1 Firmware:
  • AB_A: 2.17.0
  • AB_B: 2.17.0
  • AB_C: 2.17.0
  • BB: 2.15.0
  • Test Board: 2.14.0
  • FB: 2.17.0
  • FB with Capture Card: 2.17.0
• EC2 Firmware: 2.13.0
• PMC Firmware: 300.1.20.1025
• Boot Guard ACM: 1.6.0
• Memory Reference Code: Based on 00.07.01.110
• MEBx Revision: 12.0.0.0010
• Integrated Graphics:
  • UEFI Driver: 9.0.1095

*Other names and brands may be claimed as the property of others.*
• Intel RST Pre-OS:
  ▪ UEFI Driver: 17.7.0.4404
• Wired LAN Adapter:
  ▪ UEFI Driver:
    ▪ I219: 0.024
    ▪ I211: 8.7.10
    ▪ Realtek: 2.048
  ▪ Gbe NVM: 0.4
• AHCI Code: Based on AHCI_19
• Visual BIOS: Intel Text Setup

• Supported Flash Devices:
  WINBOND  W25Q256J  32MB
• Microcode Updates included in .BIN & .CAP Files:
  M94806EC_000000CA.pdb

New Fixes/Features:
• Updated EC2 firmware to version 2.13.0.
• Added support for OA3 payload injection with OEMID/OEM Table ID through iFlashV tool
• Added support for iSetupCfg tool.
• Updated EC1 firmware to version 2.17.0 for CMB1ABA, CMB1ABB and CMB1ABC.
• Updated EC1 firmware to version 2.15.0 for CMA1BB.
• Added the option to show LAN MAC Address, ECD revision in BIOS setup.
• Added Element Configuration Data (ECD) 1.11 support for HIDI2C, USB camera, platform configuration, HSIO driving strength override, USB camera, verb table, UCSI, brightness control, tablet/slate mode notification, FAN and GOP override.
• Added support for persistent display and related warning message.
• Added mobile battery, LID and EC keyboard matrix support
• Removed the option update bios from flash tool or F7 when in battery mode.

BIOS Version 0058 - CBWHLMIV.0058.2020.0107.1859

About This Release:
• Date: January 07, 2020
• ROM Image Checksum: 0x59CA
• ME Firmware: 12.0.49.1534
• EC1 Firmware:
  ▪ AB_A: 2.8.0
  ▪ AB_B: 2.8.0
  ▪ AB_C: 2.8.0
  ▪ BB: 2.9.0
  ▪ Test Board: 2.8.0
• EC2 Firmware: 2.4.0
• PMC Firmware: 300.1.20.1025
• Boot Guard ACM: 1.6.0
• Memory Reference Code: Based on 00.07.01.110

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• MEBx Revision: 12.0.0.0010
• Integrated Graphics:
  ▪ UEFI Driver: 9.0.1095
• Intel RST Pre-OS:
  ▪ UEFI Driver: 17.7.0.4404
• Wired LAN Adapter:
  ▪ UEFI Driver:
    • I219: 0.024
    • I211: 8.7.10
    • Realtek: 2.048
  ▪ Gbe NVM: 0.4
• AHCI Code: Based on AHCI_19
• Visual BIOS: Intel Text Setup

• Supported Flash Devices:
  WINBOND     W25Q256J     32MB

• Microcode Updates included in .BIN & .CAP Files: M94806EC_000000B8.mcb

New Fixes/Features:
• Initial production BIOS release

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