



## BIOS Update Release Notes

### PRODUCTS: BC510, BC710

**BIOS Version 0069 - BCTGL357.0069.2021.0806.2223**

#### About This Release:

- Date: Aug 06, 2021
- ROM Image Checksum: 0xA990FFE4
- ME Firmware: Consumer 15.0.23.1706
- EC Firmware: 0.33.00.000
- PMC Firmware: 150.01.20.1035
- Boot Guard ACM: 1.14.15
- Reference Code: Based on 0A.00.3C.21
- Integrated Graphics:
  - UEFI Driver: 17.0.1055
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
  - WinBond W25Q256FV 32MB
  - GigaDevice GD25B256D 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - M80806C0\_00000068.pdb
  - M80806C1\_00000086.pdb

#### New Fixes/Features:

- Updated BIOS code for security fixes.
- Fixed lag noticed with mouse when using Bluetooth connectivity.
- Disabled Time Of Flight (TOF) according to non-touch panel feature.

**BIOS Version 0067 - BCTGL357.0067.2021.0713.2249**

#### About This Release:

- Date: Jul 13, 2021
- ROM Image Checksum: 0xA9E7CF6B
- ME Firmware: Consumer 15.0.23.1706
- EC Firmware: 0.33.00.000
- PMC Firmware: 150.01.20.1035
- Boot Guard ACM: 1.14.15
- Reference Code: Based on 0A.00.3C.21
- Integrated Graphics:
  - Option ROM: N/A
  - UEFI Driver: 17.0.1055
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
  - WinBond W25Q256FV 32MB
  - GigaDevice GD25B256D 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - M80806C0\_00000068.pdb
  - M80806C1\_00000086.pdb

#### New Fixes/Features:

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

- Updated: ME FW version to 15.0.23.1706 v3.

**BIOS Version 0064 - BCTGL357.0064.2021.0518.1820**

**About This Release:**

- Date: May 18, 2021
- ROM Image Checksum: 0xA869DCCB
- ME Firmware: Consumer 15.0.10.1447 (ROM burner)
- ME Firmware: Consumer 15.0.10.1377 (Capsule update from BC0051/54/57/61)
- EC Firmware: 0.32.00
- PMC Firmware: 150.01.20.1028
- Boot Guard ACM: 1.14.15
- Reference Code: Based on 0A.00.3C.21
- Integrated Graphics:
  - UEFI Driver: 17.0.1045
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
  - WinBond W25Q256FV 32MB
  - GigaDevice GD25B256D 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - M80806C0\_00000068.pdb
  - M80806C1\_00000078.pdb
  - M80806D0\_0000004C.pdb

**New Fixes/Features:**

- Fix issue when pressing "fn + num-lock" did not switch to the enabled state.
- Fix issue with LCD brightness which dimmed during warm boot process.

**BIOS Version 0060 - BCTGL357.0060.2021.0324.1856**

**About This Release:**

- Date: Mar 24, 2021
- ROM Image Checksum: 0xA95F51B1
- ME Firmware: Consumer 15.0.10.1447
- EC Firmware: 0.31.00
- PMC Firmware: 150.01.20.1028
- Boot Guard ACM: 1.14.15
- Reference Code: Based on 0A.00.3C.21
- Integrated Graphics:
  - Option ROM: N/A
  - UEFI Driver: 17.0.1045
- Intel RST Pre-OS:
  - Option ROM: N/A
  - RAID Option ROM: N/A
- Supported Flash Devices:
  - WinBond W25Q256FV 32MB
  - GigaDevice GD25B256D 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - M80806C0\_00000068.pdb
  - M80806C1\_00000068.pdb
  - M80806D0\_0000004C.pdb

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**New Fixes/Features:**

- Replaced power button menu with security jumper menu in configuration mode.
- Added WLAN disabling feature in Setup, boot to OS, BT is also disabled.
- Updated Retimer Firmware version.
- Added new LAN PXE boot support feature in USB/LAN dongle AX88179 and RTL8152/RTL8153.
- Fixed keyboard FN lock reset after reboot.
- Fixed issues with OFBD module SMI handler.
- Fixed issue with NTFS DXE driver in process of parsing NTFS file system partition.

<b>BIOS Version 0057 - BCTGL357.0057.2021.0203.1856</b>
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**About This Release:**

- Date: Feb 3, 2021
  - ROM Image Checksum: 0xAEF54B6A
- ME Firmware: Consumer 15.0.2.1377
- EC Firmware: 0.31.00
- PMC Firmware: 150.01.20.1024
- Boot Guard ACM: 1.14.8
- Reference Code: Based on 0A.00.2A.30
- Integrated Graphics:
  - Option ROM: N/A
  - UEFI Driver: 17.0.1044
- Visual BIOS: Intel Aptio V
- Supported Flash Devices:
  - WinBond W25Q256FV 32MB
  - GigaDevice GD25B256D 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - M80806C0\_00000068.pdb
  - M80806C1\_00000060.pdb
  - M80806D0\_00000030.pdb

**New Fixes/Features:**

- Updated: EC FW version to 0.31.00.000.
- Fixed: Where you could not boot into BIOS recovery when using a LG 5K Monitor.
- Fixed: Using F7 to update will update the BIOS will also update the ME firmware.
- Fixed: Virtual Number pad that was non-functional.
- Added: Deep S4/S5 option to Setup menu.
- Fixed: iGFX SSID.
- Added: New battery information shown in ESA BIOS setup.

<b>BIOS Version 0051 - BCTGL357.0051.2020.1207.1547</b>
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**About This Release:**

- Date: Dec 8, 2020
- ROM Image Checksum: 0xACB7574B
- ME Firmware: Consumer 15.0.2.1377
- EC Firmware: 0.28.00

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- PMC Firmware: 150.01.20.1024
- Boot Guard ACM: 1.14.8
- Reference Code: Based on 0A.00.2A.30
- Integrated Graphics:
  - Option ROM: N/A
  - UEFI Driver: 17.0.1044
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
  - WinBond W25Q256FV 32MB
  - GigaDevice GD25B256D 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - M80806C0\_00000068.pdb
  - M80806C1\_00000060.pdb
  - M80806D0\_00000030.pdb

**New Fixes/Features:**

- Fixed Issue: Touch panel ghost point during LID open / LID close
- Functionality Updates

**BIOS Version 0048 - BCTGL357.0048.2020.1118.2111**

**About This Release:**

- Date: Nov 18, 2020
- ROM Image Checksum: 0xAE1E7966
- ME Firmware: Consumer 15.0.2.1377
- EC Firmware: 0.28.00
- PMC Firmware: 150.01.20.1024
- Boot Guard ACM: 1.14.8
- Reference Code: Based on 0A.00.2A.30
- Integrated Graphics:
  - Option ROM: N/A
  - UEFI Driver: 17.0.1044
- Intel RST Pre-OS:
  - Option ROM: N/A
  - RAID Option ROM: N/A
- Supported Flash Devices:
  - WinBond W25Q256FV 32MB
  - GigaDevice GD25B256D 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - M80806C0\_00000068.pdb
  - M80806C1\_00000060.pdb
  - M80806D0\_00000030.pdb

**New Fixes/Features:**

- Initial production BIOS release

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