

# BIOS Release Notes

## TITLE

**SUBJECT:** MX31-CE0 BIOS Release Notes version [R13](#)

**System:** [NA](#)

### About This Release

**Build Date:** [2018/6/26](#)

**BIOS Checksum:** [0x5FCDC30A](#) (8M), [0xCCAE76B5](#) (16M)

**Release Owner:** John.Lin

### BIOS Components/Contents

**Processor stepping(s) supported:** supports Intel® Skylake/ Kabylake processors

**System hardware configurations supported:** GA-MX31-CE0 Rev: [0.1/0.2/1.0](#)

**Microcode updates versions:**

CPUID	Family	Microcode Update ID
<a href="#">906E9</a>	<a href="#">KabyLake-S Processor B-0</a>	<a href="#">0000008E</a>
<a href="#">506E3</a>	<a href="#">SkyLake Processor R-0, S-0</a>	<a href="#">000000C6</a>

**IPMI support:**

**AMI Kernel version:** [Gbt\\_Kernel\\_020\\_013](#)

**Intel CSI/MRC Package version:** [4.1.0.8](#)

**SPI Descriptor version:** [04.01.04.054.0\\_01](#)

**OPROM version :**

OPROM	Version
INTEL RAID	RSTe 4.5.0.1012

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MX31-CE0\_[R13](#).zip to a bootable diskette that use FAT/FAT32 format

#### BIOS UPDATE INSTRUCTIONS FOR EFI Shell:

1. Move ME\_UPDATE flash jump(AC off) to Pin 2-3
2. Insert USB flash drive to system for BIOS upgrade
3. Power on system and boot USB flash to UEFI Shell
4. Execute "\SPI\_UPD\spsFPT.nsh" on UEFI Shell mode  
"All BIOS flash steps are done! set the ME\_UPDATE flash jumper(AC off) back to the default position. Thanks!"
5. if need restore SMBIOS information, Please System Power On after, Enter " \SPI\_UPD\AMIDEEFI64.efi config.dms" restore.
6. Done

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### BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\Win32\uf.cmd or \Tool\Win64\uf.cmd for bios update
4. After bios flash finish, Please reboot windows system

### BIOS UPDATE INSTRUCTIONS FOR LINUX:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\LNx\afulnx32\uf.sh or \Tool\LNx\afulnx64\uf.sh for bios update
4. After bios flash finish, Please reboot windows system

### BIOS Version CHECK INSTRUCTIONS:

1. Power on system and press Del during POST
2. The bios version shows on the first main page

## Known Issues/Workarounds

## Issues fixed in this version

R13

1. update intel DCI policy security

R12

1. update microcode for CPU Security

R11

1. Update Microcode for solve the CPU Security

R10

1. Update Microcode for solve the Security problem.

R09

1. fix new kernel boot legacy mode usb can't work

R08

1. update mrc
2. update microcode
3. update sps me

R07

1. update ME firmware

R06

1. update GOP support

## BIOS Release Notes

R05

1. Update Microcode.
- 

R04

1. Bad time message on POST.
- 

R03

1. fix memory dimm sensel fail on EFI shell mode
- 

R02

1. fix 2400MB/s DIMM hung up post code 0x55
- 

R01

1. first release
- 

T17

1. modify slot 1 oprom location
- 

T16

1. enable NMI button function
- 

T15

1. remove sync MW21-SE1 function
- 

T15

1. remove sync MW21-SE1 function
- 

T14

1. fix change UEFI driver lose LAN wol function
- 

T14

1. fix change UEFI driver lose LAN wol function
- 

T13

1. support USB Wake on S3
- 

T12

1. fix memory freq to show MAX on OS
  2. fix SD card show remove icon on OS
- 

T11

1. modify USB map
- 

T10

1. fix random S3 hung up
-

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T09

1. fix random S3 hung up
- 

T08

1. fix LAN disable sync error on I219
- 

T07

1. fix S3 resume fail
- 

T06

1. fix EUP fail on S0
- 

T05

1. support GBIA Rom Hole Tools for OA2.0
- 

T04

1. update ME to 4.01.03.019
- 

T03

1. update kernel support kabylake B0 step
- 

T02

1. remove ITE8772 Hardware Monitor on setup menu
  2. modify pcie slot oprom root location
- 

T01

1. DVT first release
-