

# BIOS Release Notes

## TITLE

**SUBJECT:** MX31-CE0 BIOS Release Notes version [R08](#)

**System:** [W131-X30](#)

### About This Release

**Build Date:** [2017/11/30](#)

**BIOS Checksum:** [0x5FCBE15F](#) (8M), [0xCCAC950A](#) (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="#">00000070</a>
<a href="#">506E3</a>	<a href="#">SkyLake Processor R-0, S-0</a>	<a href="#">000000BE</a>

**IPMI support:**

**AMI Kernel version:** [Gbt\\_Kernel\\_020\\_002](#)

**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\_[R08](#).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. Done

#### BIOS UPDATE INSTRUCTIONS FOR Windows:

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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

R08

1. fix new kernel boot legacy mode usb can't work
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R07

1. update mrc
  2. update microcode
  3. update sps me
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R06

1. update ME firmware
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R05

1. change oem logo
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