

# BIOS Release Notes

## TITLE

**SUBJECT:** MX32-4L0-00 BIOS Release Notes version [R12](#)  
**System:** [MX32-4L0-00](#)

### About This Release

**Build Date:** [2022/05/09](#)  
**BIOS Checksum:** [0x4742C545](#) (8M), [0xB2DD3B78](#) (32M)  
**Release Owner:** Ian.Liu

### BIOS Components/Contents

**Processor stepping(s) supported:** Intel Xeon Coffee Lake-S processors  
**System hardware configurations supported:** MX32-4L0-00  
**Microcode updates versions:**

CPUID	Family	Microcode Update ID
<a href="#">906EA</a>	<a href="#">Intel Xeon Coffee Lake-S Processor E Family</a>	<a href="#">000000F0</a>
<a href="#">906EB</a>	<a href="#">Intel Coffee Lake Processor Product Family</a>	<a href="#">000000F0</a>
<a href="#">906EC</a>	<a href="#">Intel Coffee Lake Processor Product Family</a>	<a href="#">000000F0</a>
<a href="#">906ED</a>	<a href="#">Intel Coffee Lake Processor Product Family</a>	<a href="#">000000F0</a>

**IPMI support:**

**AMI Kernel version:** [5.13\\_VEB\\_1AURF\\_RC7.0.58.50\\_054](#)

**Intel CSI/MRC Package version:** [7.0.58.50](#)

**SPI Descriptor version:** [05.01.04.500.0](#)

**OPROM version :**

OPROM	Version
AST2500 VGA	1.09
I210 LAN PXE Rom	1.5.56
I210 LAN EFI Driver	6.5.01
RSTe EFI driver	5.5.0.1028
RSTe LEGACY ROM	5.5.0.1028

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MX32-4L0\_[R12](#).zip to a bootable diskette that use FAT/FAT32 format

#### BIOS UPDATE INSTRUCTIONS FOR EFI Shell:

1. Insert USB flash drive to system for BIOS upgrade.
2. Power on system and boot to Build-In Shell.

## BIOS Release Notes

3. Enter your USB filesystem, like "fs0:" or "fsx:", "x" is your USB filesystem number
4. Execute F.nsh for bios update
5. After bios flash finish, please reboot system

### BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\Win32\f.bat or \Tool\Win64\f.bat for bios update
4. After bios flash finish, please reboot 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

R12

1. Updates code base 1AURF051 to 1AURF054 for Intel security update.

R11

2. Updates code base 1AURF047 to 1AURF051 for Intel security 2021.2.  
(CVE-2021-0157 / CVE-2021-0158)

R10

1. Updates code base 1AURF042 to 1AURF047 for intel security 2020.2.

R09

1. Update Intel security 2020.2 MCU.

R08

1. Open shell function.
2. Security update for CVE-2020-10255.

R07

1. Modify Bios version.

R07b

1. Support Redfish feature.

R07a

1. Security update for SA-00295.
2. Modify motherboard ID function.
3. Retry to get BMC IP three times during POST to avoid BMC IP is not ready from NCSI

## BIOS Release Notes

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R06

1. Modify microcode version by Intel request.

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R05

1. Modify microcode version by Intel request.
2. Modify PCIE function under WebUI.

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R04

1. Secure updates for CVE-2020-0543, CVE-2020-0548, CVE-2020-0549.
2. Modify graphics card 2080Ti problem.
3. Modify Lan function under WebUI.
4. Modify USB icon function under Windows.

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R04b

1. Secure updates for CVE-2019-11157 and CVE-2019-14607.

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R04a

1. Fixed that Memory Maximum Capacity to 128GB in BMC WebUI.

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R03

1. Update SPS to 05.01.03.094.0 (PV) for Mehlow-R. (Intel-SA-00241)
2. Update SINIT ACM v1.73 for secure issue. (Intel-SA-00240, INTEL-SA-00164)
3. Fixed prompt string is incomplete when the screen is output from Graphic card.

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R02

1. Update the latest MCU version follow IPU revision guidance.

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R01

1. First Release.