

BIOS Release Notes

TITLE

SUBJECT: MX32-BS0-00 BIOS Release Notes version [R11](#)
System: [MX32-BS0-00](#)

About This Release

Build Date: [2022/05/10](#)
BIOS Checksum: [0x4A65AFE8](#) (8M), [0xB6004CE1](#) (32M)
Release Owner: Ian.Liu

BIOS Components/Contents

Processor stepping(s) supported: Intel Xeon Coffee Lake-S processors
System hardware configurations supported: MX32-BS0-00
Microcode updates versions:

CPUID	Family	Microcode Update ID
906EA	Intel Xeon Coffee Lake-S Processor E Family	000000F0
906EB	Intel Coffee Lake Processor Product Family	000000F0
906EC	Intel Coffee Lake Processor Product Family	000000F0
906ED	Intel Coffee Lake Processor Product Family	000000F0

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-BS0_[R11](#).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.

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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 during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

R11

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

R10

2. Updates code base 1AURF042 to 1AURF051 for Intel security 2021.2.
(CVE-2021-0157 / CVE-2021-0158)

R09

1. Update Intel security 2020.2 MCU.

R08

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

R07

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

R06

1. Modify microcode version by Intel request.

R05

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

R04

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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.