

# BIOS Release Notes

## TITLE

**SUBJECT:** MX34-BS0 BIOS Release Notes version R05

**System:** MX34-BS0-000,R113-X30-AA02-000

### About This Release

**Build Date:** 2025/07/25

**BIOS Checksum:** 0xB2FE49D1 (32M)

**Release Owner:** Patty.Liao

### BIOS Components/Contents

**Processor stepping(s) supported:** Intel Raptor Lake-E Processors

**System hardware configurations supported:** MX34-BS0-000

**PCB Version:** 1.x

**Microcode updates versions:**

CPUID	Family	Microcode Update ID
B0671	Intel(R) Server Raptor Lake-S B-0	0000012e
90672	Intel(R) Server Raptor Lake-S H-0	0000003a

**Kernel Version :**

**AMI Kernel version:** 5.27\_1AZIQ\_RC0C.00.6B.41\_304

**Intel / CSI MRC Package version:** RC0C.00.6B.41

**Intel ME Firmware version:** E3\_06.03.04.058

**OPROM Version :**

OPROM	Version
AST2600 VGA	1.10.01

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the **MX34-BS0\_R05.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.
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, system must Power-Off to have the changes take effect.

#### BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.

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2. Use Command Shell.
3. Enter \Tool\Win32 and execute f.bat for Windows 32bit.  
Or  
Enter \Tool\Win64 and execute f.bat for Windows 64bit.
4. After bios flash finish, system must Power-Off to have the changes take effect.

### BIOS UPDATEFOR Easy BIOS Refresh:

1. The system supports remotely update BIOS if BMC existent.
2. Please download the Easy BIOS Refresh User Guide from Gigabyte website, target system support page.

### 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

- 1.

## Issues fixed in this version

R05

1. [Security] CVE-2024-13176, CVE-2025-20064, CVE-2025-20028, CVE-2025-20027, CVE-2024-7344.

R04

1. [Security] CVE-2025-20109, CVE-2024-45332, CVE-2025-20054.

R03

1. Enhance system compatibility.

R02

1. Fine tune Setup item.

R01

1. First Release.