

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ42-G20 BIOS Release Notes version M04\_R15  
**System:** G292-Z40-00,G292-Z42-00,G292-Z43-00,G292-Z44-00,G292-Z46-00

### About This Release

**Build Date:** 2021/05/07  
**BIOS Checksum:** 0x975BFF29(32M)  
**Release Owner:** Ben.Lee

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD EPYC Milan/Rome Processors  
**System hardware configurations supported:** MZ42-G20-00  
**Microcode updates versions:**

CPUID	Family	Microcode Update ID
Milan A0	Family 19h Model 00-0Fh	0A000033
Milan B0	Family 19h Model 00-0Fh	0A00103F
Milan B1	Family 19h Model 00-0Fh	0A00111D

**IPMI support:**  
**AMI Kernel version:** 5.22\_MilanCrb\_0ACOU011  
**AGESA PI version:** MilanPI 1.0.0.2  
**OPROM version:**

OPROM	Version
AST2500	1.10.00

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MZ42-G20\_M04\_R15.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.
2. Use Command Shell.

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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 UPDATE FOR 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. Windows OS does not support 256 or more logical.  
Windows 2019 can update KB44512534 to support it.

OS item	Win2019	Win2016
IOMMU	Enable ※	Enable KB4022723
SMT Control	Enable KB4512534	Disable

※When SMT Enabled, IOMMU need to set Enabled too.

SMT Control: AMD Simultaneous Multi-Threading Technology

KB4022723: Support IOMMU on Windows 2016.

KB4512534: Support SMT on Windows 2019.

2. NVIDIA CUDA didn't support IOMMU.

### Issues fixed in this version

#### M04

1. Update AGESA 1.0.0.2.
2. Fix TPM hard reset will dead loop.
3. Skip some LAN card without the UEFI OpRom.
4. Add G292-Z46-00 SKU.
5. Add a patch to the Micorsemi chip,
6. Modify G292-Z46 redriver value.

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#### M03

1. Update AGESA 1.0.0.1.
2. Fixed Redfish upload fail.
3. Adjusted BIOS items in remote setup on redfish.
4. Added ISCSI function.

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5. Fixed some graphic card will hang on Legacy mode.
6. Fixed some lan card hang code.

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M02

- 1.Updated AGESA 1.0.0.0.

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M01

1. First release.
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