

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ42-G21 BIOS Release Notes version R17\_F00  
**System:** MZ42-G21-00,G292-Z45-00,G292-Z45-ICU1-000,G292-Z45-ICM1-000

### About This Release

**Build Date:** 2025/04/14  
**BIOS Checksum:** 0x9E120EBA (32M)  
**Release Owner:** Auto.Build(Henry.Lin)

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD Rome Processors  
**System hardware configurations supported:** MZ42-G21-00  
**PCB Version:** 1.x  
**Microcode updates versions:**

CPUID	Family	Microcode Update ID
Rome A0	Family 17h Model 30-3Fh	08300027
Rome B0	Family 17h Model 30-3Fh	0830107D

**IPMI support:**  
**AMI Kernel version:** 5.14\_RomeCrb\_0ACMK035  
**AGESA PI version:** RomePI 1.0.0.M  
**OPROM version:**

OPROM	Version
AST2500	1.09.0

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MZ42-G21\_R17\_F00.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\afuwin32 and execute f.bat for Windows 32bit.  
Or  
Enter \Tool\afuwin64 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.

item	OS	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

R17

1. [Feature] Update AGESA 1.0.0.M
2. [Feature] Release the Apply Vlan Coniguration item.
3. [Feature] Added AMI solution to fix the problem that NUMA cannot be changed in BCP Pro.

R16

1. [Feature] Update AGESA 1.0.0.L.
2. [Security] CVE-2024-36347, CVE-2024-56161, CVE-2023-45236, CVE-2023-45237, CVE-2024-38796, CVE-2024-0179, CVE-2024-21925

R15

1. [Feature] Update AGESA 1.0.0.K.

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2. [Feature] Add Disable Block Sid and SHA256 PCR Bank GBTGSI default token.
3. [Security Update] CVE-2020-10255, CVE-2021-28216, CVE-2021-38575, CVE-2023-45236, CVE-2023-45237, CVE-2024-0179, CVE-2024-21924, CVE-2024-21925.

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### R14

1. [Feature] Update AGESA 1.0.0.J.
2. [Feature] Remove unsupport redfish items:  
IPv6 BMC Lan Option (IPMI601)  
IPv6 BMC Lan IP Address Source (IPMI602)  
Secure Boot (SECB001)  
Secure Boot Mode (SECB002)  
Factory Key Provision (SECB008)  
Option ROM (SECB004)  
Removable Media (SECB005)  
Fixed Media (SECB006)
3. [Security Update] CVE-2023-2650, CVE-2023-3817, CVE-2023-5678, CVE-2023-31315.

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### R13

1. [Security Update] PKfail issue.
2. [Feature] Optimize BcpPro tool compatibility.

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### R12

1. [Feature] Fine tune BMC IPv6 and IPv4 Network.

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### R11

1. Enhance Endless Retry PXE feature.

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### R10

1. Update AGESA 1.0.0.H.
2. Security update: CVE-2023-39538, CVE-2023-39539, CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235.

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### R09

1. Update AGESA 1.0.0.G.
2. Update Microcode 0830107A for CVE-2023-20593 issue.

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### R08

## BIOS Release Notes

1. Updated AGESA 1.0.0.F.

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R07

1. Updated AGESA 1.0.0.E.

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R06

1. Support BIOS item to modiefy PCIe link speed.

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R05

1. Fine tune re-driver function.

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R04

1. Fixed PCIE set wrong bandwidth.
2. Adjusted G292-Z45-00 redriver v20220126

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R03

1. Fine tune flash tool for dual BIOS.
2. Support NVME LED control for system.
3. Modify BMC major number format in setup menu.

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R02

1. Update AGESA 1.0.0.C.
2. Fixed afu check second BIOS rom failed.
3. Fixed Qlogic MAC issue in WebUI.

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R01

1. First release PVT BIOS, base on D03.
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