BIOS Release Notes

TITLE

SUBJECT:	MZ32-AR0 BIOS Release Notes version M11_R28
System:	MZ32-AR0-00,MZ32-AR1-00,MZ32-001-A1,R152-Z30-00,R152-Z31-00, R152-Z32-00,R152-Z33-00,R272-Z30-00,R272-Z31-00,R272-Z32-00, R272-Z34-00,R272-Z33-FL,W282-001-JN,S452-Z30-00,S472-Z30-00

About This Release

Build Date: **2022/06/20**
BIOS Checksum: **0x9501A200 (32M)**
Release Owner: **Hex.Jan**

BIOS Components/Contents

Processor stepping(s) supported: AMD Milan/Rome Processors
System hardware configurations supported: MZ32-AR0-00, MZ32-AR1-00, MZ32-001-A1
PCB Version: 3.x
Microcode updates versions:

CPUID	Family	Microcode Update ID
Milan A0	Family 19h Model 00-0Fh	0A000033
Milan B0	Family 19h Model 00-0Fh	0A001053
Milan B1	Family 19h Model 00-0Fh	0A00115D
Milan B2	Family 19h Model 00-0Fh	0A001227

IPMI support:
AMI Kernel version: 5.22_MilanCrb_0ACOU017
AGESA PI version: MilanPI 1.0.0.7
OPROM version:

OPROM	Version
AST2500	1.10.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ32-AR0_M11_R28.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.
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

1 . Rome CPU please reference RelNotes_Rome.PDF
2 . Milan CPU please reference RelNotes_Milan.PDF