

BIOS Release Notes

TITLE

SUBJECT: MR83-AC0 BIOS Release Notes version F12
System: MR83-AC0-000,G383-R80-AAP1-000,G383-R80-LAP1-000,
G383-R80-LAP1-001

About This Release

Build Date: 2025/01/16
BIOS Checksum: 0x9EEEB69B (32M)
Release Owner: Leon.Liang

BIOS Components/Contents

Processor stepping(s) supported: AMD EPYC CPU Family 19h Model
System hardware configurations supported: MR83-AC0-000
PCB Version: 1.x
Microcode updates versions:

CPUID	Family	Microcode Update ID
A0	Family 19h Model	0x0A900007
A1	Family 19h Model	0x0A900108

IPMI support:
AMI Kernel version: 5.33_0ACSD_PI1.0.0.6_022
AGESA PI version: MI300PI 1.0.0.7
OPROM version:

OPROM	Version
AST2600	1.12.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MR83-AC0_F12.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 during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

F12

1. Modify TDP/PPT value

F11

1. Agesa PI 1.0.0.7 Updated

F10

1. Agesa PI 1.0.0.6 Updated
2. Security CVE-2024-0179, CVE-2024-21295 updated

F09

1. Modify AGPIO3/119/148 function
2. Modify Console Redirection display Name
3. Include APU FSP Bin files
4. Modify COM Port LoopBack function
5. Modify ISCSI Function
6. Modify Recover function
7. Modify CLR MOS post display message
8. Modify SOL function
9. Modify WEB UI NPS1 item

F09e

1. Modify AGPIO3 function
2. Modify Console Redirection display Name

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3. include APU loss patch

F09d

1. Modify COM Port LoopBack function

F09c

1. Modify ISCSI Function

F09b

1. Modify Recover function
2. Modify CLR MOS post display mmessage

F09a

1. Modify SOL function
2. Modify WEB UI NPS1 item
3. Modify AGPIO119/148/3 by HW request

F08

1. Agesa PI 1.0.0.4 Updated

F07

1. Base on F07c to re-name F07

F07c

1. Modify WEB-UI BIOS for USB and event log item

F07b

1. Modify WEB-UI BIOS item item display.

F07a

1. Modify WEB-UI HDD info page.

F06

1. Modify dmesg find error and fail log under linux os.
2. Modify IPV4 item exit will hung on.
3. Modify Main page LAN MAC item.

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4. Modify network configuration function.
5. Modify WEB-UI BIOS Memu item.
6. Modify PCIE Slot1 string
7. Modify Memu item.
8. Modify Slot12 Auto function

F06e

1. Modify dmesg find error and fail log under linux os.

F06d

1. Modify IPV4 item exit will hung on.

F06c

1. Modify Main page LAN MAC item.
2. Modify network configuration function.

F06b

1. Modify WEB-UI BIOS Memu item.
2. Modify PCIE Slot1 string

F06a

1. Modify Memu item.
2. Modify Slot12 Auto function

F05

1. Support TPM function.

F04

1. Modify PCIE ROM controller item.

F03

1. Modify Reset function.
2. Support PCIE controller item.
3. Support PCIE ROM controller item.

F02

1. Modify TDP 760 symptome.

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2. Modify XGMI item symptome.
3. BIOS Mian Page info.

F01

1. First release.
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