

# BIOS Release Notes

## TITLE

**SUBJECT:** MR83-AC0 BIOS Release Notes version F16  
**System:** MR83-AC0-000,G383-R80-AAP1-000,G383-R80-LAP1-000,  
G383-R80-LAP1-001

### About This Release

**Build Date:** 2025/04/23  
**BIOS Checksum:** 0x9CA5F9AA (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	0x0A90000B
A1	Family 19h Model	0x0A90010A

**IPMI support:**  
**AMI Kernel version:** 5.33\_0ACSD\_PI1.0.0.9\_024  
**AGESA PI version:** MI300PI 1.0.0.9  
**OPROM version:**

OPROM	Version
AST2600	1.12.00

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MR83-AC0\_F16.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

### Issues fixed in this version

F16

1. Modify Recover ROM files name
2. Modify SMBIOS type 17 DIMM function

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F15

1. Agesa PI 1.0.0.9 Updated

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F14

1. Remove AMI Loop Back issue for SOL function has garbage
2. Modify TcgPeiSupport and TcgDxeSupport for TPM can't catch

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F13

1. Agesa PI 1.0.0.8 Updated
2. Security CVE-2023-6237, CVE-2024-5535, CVE-2024-6119, CVE-2024-36347 updated

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F12

1. Modify TDP/PPT value

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F11

1. Agesa PI 1.0.0.7 Updated
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### F10

1. Agesa PI 1.0.0.6 Updated
  2. Security CVE-2024-0179, CVE-2024-21295 updated
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### 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
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### F09e

1. Modify AGPIO3 function
  2. Modify Console Redirection display Name
  3. include APU loss patch
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### F09d

1. Modify COM Port LoopBack function
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### F09c

1. Modify ISCSI Function
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### F09b

1. Modify Recover function
  2. Modify CLR MOS post display message
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### F09a

1. Modify SOL function
  2. Modify WEB UI NPS1 item
  3. Modify AGPIO119/148/3 by HW request
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### F08

1. Agesa PI 1.0.0.4 Updated
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## BIOS Release Notes

F07

1. Base on F07c to re-name F07
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F07c

1. Modify WEB-UI BIOS for USB and event log item
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F07b

1. Modify WEB-UI BIOS item item display.
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F07a

1. Modify WEB-UI HDD info page.
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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.
  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
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F06e

1. Modify dmesg find error and fail log under linux os.
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F06d

1. Modify IPV4 item exit will hung on.
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F06c

1. Modify Main page LAN MAC item.
  2. Modify network configuration function.
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F06b

1. Modify WEB-UI BIOS Memu item.
  2. Modify PCIE Slot1 string
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F06a

## BIOS Release Notes

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

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F05

1. Support TPM function.

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F04

1. Modify PCIE ROM controller item.

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F03

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

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F02

1. Modify TDP 760 symptome.
2. Modify XGMI item symptome.
3. BIOS Mian Page info.

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F01

1. First release.
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