

# BIOS Release Notes

## TITLE

**SUBJECT:** MC12-LE0 BIOS Release Notes version **F19**  
**System:** MC12-LE0-00

### About This Release

**Build Date:** 2025/02/22  
**BIOS Checksum:** 0x9A80CBA7 (32M)  
**Release Owner:** Justin.Wu

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD ComboAm4v2 Processors  
**System hardware configurations supported:** MC12-LE0-00  
**PCB Version:** 1.x  
**Microcode updates versions:**

CPUID	Family	Microcode Update ID
Vermeer	Family 19h Models 20h-2Fh	A201213
Renoir	Family 17h Model 60h	860010F
Matisse	Family 17h Models 70h-7Fh	8701035

**IPMI support:**  
**AMI Kernel version:** 5.17\_1AWRI\_PI1.2.0.E\_042  
**AGESA PI version:** ComboAm4v2PI 1.2.0.E  
**OPROM version :**

OPROM	Version
AST2500	1.09.00

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MC12-LE0\_**F19**.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.

## BIOS Release Notes

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

### Issues fixed in this version

F19

1. Update AGESA 1.2.0.E.
2. [Security Update] CVE-2024-0179, CVE-2024-21925, CVE-2024-36347.

F18

1. [Feature] Enhance BIOS item switch policy.

F17

1. [Security Update] CVE-2023-31315.

F16

1. [Security Update] PKfail issue.

F15

1. 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.

F14

1. Modify default year from 2023 to 2024.
2. Fixed system hangup when modify the BIOS item.

## BIOS Release Notes

F13

1. Update AGESA 1.2.0.B.
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F12

1. Update RedFish Boot Options feature.
  2. Default year 2023.
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F11

1. Fixed first flash BIOS and clear CMOS not show warning message.
  2. Fixed Renoir CPU AC loss can't sync with BMC.
  3. Fine tune POST SATA information.
  4. Fine tune Onboard LAN control item.
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F10

1. Update AGESA 1.2.0.8.
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F09

1. Fine tune BIOS setup item.  
(We are not guarantee the system is stable when modified BIOS item in AMD Overclocking.)
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F09a

1. Default year 2022.
  2. Fine tune BIOS setup item.
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F08

1. Support Cezanne CPU
  2. Fixed AC Loss item doesn't sync with BMC.
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F07

1. Fine tune setup manual.
  2. Fixed LAN MAC display NA
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## BIOS Release Notes

F06

1. Fine tune USB for HLK
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F05

1. Default set TPM switch from fTPM to SPI TPM.
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F04

1. Fix Lan3 Lan4 MacAddress Main page show N/A issue.
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F03

1. Fine tune PCIe device CLK.
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F02

1. Improve CPU performance
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F01

1. PVT First release.
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