

BIOS Release Notes

TITLE

SUBJECT: MC13-LE0 BIOS Release Notes version R12
System: MC13-LE0-000, MC13-LE1-000, R113-C10-AA01-000, R113-C10-AA02-000

About This Release

Build Date: 2025/06/11
BIOS Checksum: 0x826EDD2F(32M)
Release Owner: Steven.Chang

BIOS Components/Contents

Processor stepping(s) supported: AMD Raphael Processors
System hardware configurations supported: MC13-LE0-000, MC13-LE1-000
Microcode updates versions:

CPUID	Family	Microcode Update ID
0A600F12	Raphael A0\B0	0A601119
0A600F12	Raphael A1\B1	0A60120C
0A700F52	Phoenix A2	0A70520A
0A700F52	Phoenix2 A0	0A70800A
00B40F40	Granite Ridge A0	0B400034
00B40F40	Granite Ridge B0	0B404032

IPMI support:

AMI Kernel version: 5.32_1AYFL_PI1.2.0.3d_056

AMD AGESA PI version: AGESA-V9 ComboAm5 1.2.0.3d

Platform version:1.X

OPROM version:

OPROM	Version
AST2600 VGA	1.13.01

Installation Notes

IMPORTANT NOTES:

1. Please extract the MC13-LE0_R12.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

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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 during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

R12

1. [Feature] Add DDR V-Color and Neo Forza vendor information in the SMBIOS.
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R11

1. [Feature] Update AGESA 1.2.0.3d.
 2. [Security] CVE-2024-36310, CVE-2024-36355, CVE-2024-36310, CVE-2024-36311
CVE-2024-36345, CVE-2024-36343, CVE-2024-36345, CVE-2024-36343,
CVE-2024-13176.
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R10

1. [Feature] Update AGESA 1.2.0.3c.
 2. [Security] CVE-2023-52353, CVE-2024-36350, CVE-2024-36357, CVE-2024-36348,
CVE-2024-36349, CVE-2024-36347, CVE-2024-9143, CVE-2024-38796,
CVE-2024-54084, CVE-2024-0179, CVE-2024-21925, CVE-2024-7344,
CVE-2025-22830.
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R09

1. [Feature] Implement thermal wall feature for the Ryzen 7600X3D.
 2. [Feature] Implement thermal wall feature for the EPYC 4565P / 4545P / 4465P /
4345P / 4245P / 4585PX.
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R08

BIOS Release Notes

1. [Fix] Enhance OS Compatibility.
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R07

1. [Feature] Implement thermal wall feature for the Ryzen5 7400F / 7500F / 9600.
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R06

1. [Fix] Solve Crucial Technology DIMM information is not displayed in WebUI.
 2. [Feature] Implement thermal wall feature for the Ryzen 9000 series CPU.
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R05

1. [Feature] Support AMI DMI TOOL.
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R04

1. AMD AGESA 1.2.0.1 for Ryzen 9000 CPU (Granite Ridge) .
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