

# BIOS Release Notes

## TITLE

**SUBJECT:** MRQ2-4S0 BIOS Release Notes version [F18](#)

**System:** [MRQ2-4S0-00](#), [R292-4S0-00](#), [R292-4S1-00](#)

### About This Release

**Build Date:** [2023/04/13](#)

**BIOS Checksum:** [0xC87FB0E4](#) (32M), [0x5C073411](#) (64M)

**Release Owner:** willy.chen

### BIOS Components/Contents

**Processor stepping(s) supported:** Intel® Cooper Lake-SP processors

**System hardware configurations supported:** MRQ2-4S0

**Microcode updates versions:**

CPUID	Family	Microcode Update ID
5065a	CooperLake A-0	86000020
5065b	CooperLake A-1	07002601

**IPMI support:**

**AMI Kernel version:** [Gbt\\_Kernel\\_022\\_01](#)

**Intel CSI/MRC Package version:** [23.P45](#)

**SPI Descriptor version:** [4.4.4.301](#)

**OPROM version :**

OPROM	Version
AST2500 VGA	1.03.05
INTEL RAID PACKAGE	RSTe 7.8.0.1012

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MRQ2-4S0\_[F18](#).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.

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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

## Issues fixed in this version

### F18

1. [Feature] Update RC 23.P45 (CedarIsland BKC 2023.2 IPU-PV)
2. [Feature] Update DCPMM UEFI driver v02.00.00.3887
3. [Feature] Update microcode:  
CooperLake A0 MCU : mbf5065a\_86000020  
CooperLake A1 MCU : mbf5065b\_07002601
4. [Feature] Update ME : SPS\_E5\_04.04.04.301.0
5. [Feature] Update VROC : v7.8.0.1012
6. [Feature] Fix INTEL-SA-00717 : CVE-2022-30539, CVE-2022-32231, CVE-2022-26837.
7. [Feature] Fix INTEL-SA-00718 : CVE-2022-36348.

### F17

1. [Bug Fix] Fix the bug about remote BIOS item on WEBUI.

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### F16

1. [Feature] Update RC 23.P27 (CedarIsland BKC 2022.1 IPU-PV)
2. [Feature] Update DCPMM UEFI driver v02.00.00.3885
3. [Feature] Update microcode:  
CooperLake A0 MCU : mbf5065a\_86000020  
CooperLake A1 MCU : mbf5065b\_07002501
4. [Feature] Update ME : SPS\_E5\_04.04.04.104.0
5. [Feature] Fix CVE-2021-33060(INTEL-SA-00601), CVE-2021-0159(INTEL-SA-00601), CVE-2021-33123(INTEL-SA-00601).

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### F15

1. [Bug Fix] Fix incorrect information on WEBUI PCIe info & HD info.

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### F14

1. [Bug Fix] Fix the bug about CPU sensor fail.

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### F13

1. [Feature] Update RC 23.P21 (CedarIsland BKC 2021.2 IPU-PV)
2. [Feature] Update DCPMM UEFI driver v02.00.00.3878
3. [Feature] Update microcode:  
CooperLake A0 MCU : mbf5065a\_86000020  
CooperLake A1 MCU : mbf5065b\_07002402
4. [Feature] Update RSTe : v7.6.0.1012
5. [Feature] Update VROC : v7.6.0.1012
6. [Feature] Update ME : SPS\_E5\_04.04.04.028.0

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### F12

1. [Bug Fix] Fix SMBIOS table uncorrect information.

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### F11

1. [Bug Fix] Fix the bug about ECC.

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### F10

1. [Bug Fix] Fix Smbios Type131 string problem.

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### F09

1. [Feature] Fine tune onboard M.2 setting.
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