

# BIOS Release Notes

## TITLE

**SUBJECT:** MF51-ES2 BIOS Release Notes version [R07](#)  
**System:** MF51-ES2-00

### About This Release

**Build Date:** [2022/05/12](#)  
**BIOS Checksum:** [0x887662F4](#) (16M), [0xA68B48C8](#) (32M)  
**Release Owner:** Leon.Liang

### BIOS Components/Contents

**Processor stepping(s) supported:** Intel Sky Lake / Cascade Lake - W processors  
**System hardware configurations supported:** MF51-ES2-00  
**Microcode updates versions:**  
**MB Version :**1.0

CPUID	Family	Microcode Update ID
<a href="#">50652</a>	<a href="#">Intel Sky Lake Processor B-1</a>	<a href="#">80000037</a>
<a href="#">50654</a>	<a href="#">Intel Sky Lake Processor H-0</a>	<a href="#">02006D05</a>
<a href="#">50655</a>	<a href="#">Intel Cascade Lake Processor A-0</a>	<a href="#">03000010</a>
<a href="#">50656</a>	<a href="#">Intel Cascade Lake Processor B-0</a>	<a href="#">04003302</a>
<a href="#">50657</a>	<a href="#">Intel Cascade Lake Processor B-1</a>	<a href="#">05003302</a>

**AMI Kernel version:** [5.15\\_VEB\\_1AWHU\\_RC3435.D01\\_019](#)  
**Intel CSI/MRC Package version:** [3435.D01](#)  
**SPI Descriptor version:** [11.12.92.2222\\_Corporate](#)  
**OPROM version :**

OPROM	Version
I210 LAN PXE Rom	1.5.56
X550 LAN PXE Driver	2.3.58
Aspeed VBIOS/UEFI ROM	1.09

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MF51-ES2\_[R07](#) 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

## BIOS Release Notes

5. After bios flash finish, please reboot system

### BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\Win32\uf.bat or \Tool\Win64\uf.bat for bios update
4. After bios flash finish, please reboot system

### 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

#### R07

1. Update RC to version 3435.D01 for Intel security 2022.1
  2. Update ME to version 11.12.92.2222 for Intel security 2022.1
  3. Modify BIOS IOU2 item
- 

#### R06

1. Update RC to version 3362.D01 for Intel security 2021.2
  2. Update ME to version 11.12.90.1962 for Intel security 2021.2
  3. Add IOU0, IOU1 and IOU2 item.
- 

#### R05

1. Update ME to 11.12.80.1734 version for Intel security 2020.2
- 

#### R04

1. Update MCU for Intel security 2020.2
- 

#### R03

1. Update ME to version 11.12.77.1664 for Intel security CVE-2020-8674
  2. Modify BIOS BMC version display
  3. Modify WEB-UI I210 Port0 MAC display sequence
- 

#### R02

1. Update RC to version 1464.D01 for Intel security CVR-2020-0543/0548/0549)
  2. Modify SMBIOS TYPE 0 BIOS version
  3. Modify compiler BIOSGuard error
-

## **BIOS Release Notes**

R01

1. Base on BIOS T09 re-name to R01
2. Modify TLS and BMC LAN NCSI item