

# BIOS Release Notes

## TITLE

**SUBJECT:** MF51-ES0 BIOS Release Notes version [R05](#)

**System:** [NA](#)

### About This Release

**Build Date:** [2020/12/08](#)

**BIOS Checksum:** [0x8780F775](#) (16M), [0xA60D0670](#) (32M)

**Release Owner:** Patty.Liao

### BIOS Components/Contents

**Processor stepping(s) supported:** Intel Sky Lake / Cascade Lake - W processors

**System hardware configurations supported:** MF51-ES0

**Microcode updates versions:**

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="#">02006A08</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="#">04003003</a>
<a href="#">50657</a>	<a href="#">Intel Cascade Lake Processor B-1</a>	<a href="#">05003003</a>

**AMI Kernel version:** [5.15\\_VEB\\_1AWHU\\_RC1464.D01\\_010](#)

**Intel CSI/MRC Package version:** [1464.D01](#)

**SPI Descriptor version:** [11.12.80.1734\\_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-ES0\_[R05](#) 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, please reboot system

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## BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\Win32\f.bat or \Tool\Win64\f.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

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R05

1. Update ME to 11.12.80.1734 version for Intel security 2020.2

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R04

1. Update MCU for Intel security 2020.2

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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

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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

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R01

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