

BIOS Release Notes

TITLE

SUBJECT: MF51-ES2 BIOS Release Notes version [R05](#)

System: [NA](#)

About This Release

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

BIOS Checksum: [0x87861034](#) (16M), [0xA6121F2F](#) (32M)

Release Owner: Patty.Liao

BIOS Components/Contents

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

System hardware configurations supported: MF51-ES2

Microcode updates versions:

CPUID	Family	Microcode Update ID
50652	Intel Sky Lake Processor B-1	80000037
50654	Intel Sky Lake Processor H-0	02006A08
50655	Intel Cascade Lake Processor A-0	03000010
50656	Intel Cascade Lake Processor B-0	04003003
50657	Intel Cascade Lake Processor B-1	05003003

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-ES2_[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 during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

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

R01

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