

BIOS Release Notes

TITLE

SUBJECT: MR91-FS0 BIOS Release Notes version [R20](#)
System: [R181-2A0-00](#), [R181-340-00](#), [R181-N20-00](#), [R181-NA0-00](#), [R281-2O0-00](#),
[R281-3C0-00](#), [R281-3C1-00](#), [R281-N40-00](#), [R281-NO0-00](#)

About This Release

Build Date: [2022/05/13](#)
BIOS Checksum: [0xCB1A247A](#) (16M), [0x8F3FDC57](#) (32M)
Release Owner: richard.huang

BIOS Components/Contents

Processor stepping(s) supported: IntelR Skylake-SP/Cascadelake-SP processors

System hardware configurations supported: MR91-FS0

Microcode updates versions:

CPUID	Family	Microcode Update ID
50653	SkyLake-Server Processor B-1	01000157
50654	SkyLake-Server Processor H-0	02006D05
50655	CascadeLake-Server Processor A-0	03000012
50656	CascadeLake-Server Processor B-0	04003302
50657	CascadeLake-Server Processor B-1	05003302

IPMI support:

AMI Kernel version: [Gbt_Kernel_055_01](#)

Intel CSI/MRC Package version: [0618.D03](#)

SPI Descriptor version: [04.01.04.700.0](#)

OPROM version :

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OPROM	Version
AST2500 VGA	1.09.00
INTEL 1G PXE	1.5.53
INTEL 1G LAN EFI	8.5.21
INTEL RAID PACKAGE	RSTe 6.2 PV

Installation Notes

IMPORTANT NOTES:

1. Please extract the MR91-FS0_ [R20](#).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, 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 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

R20

1. [Feature] Update 2022.1 IPU for security INTEL-SA-00616: CVE-2021-21131, CVE-2021-

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21136; INTEL-SA-00601: CVE-2021-0189, CVE-2021-0159, CVE-2021-33123, CVE-2021-33124.

R19

1. [Feature] Update RC 0616.D08 (2021.2 IPU PV)
 2. [Feature] Update microcode SKX-H0: MB750654_02006c0a, CLX-B0: MBf50656_0400320a, CLX-B1: MBf50657_0500320a
 3. [Feature] Update BIOS ACM v1.7.51 / SINIT v1.7.51
 4. [Feature] Update DCPMM UEFI Driver v01.00.00.3531
 5. [Feature] Update SPS_E5_04.01.04.601.0
 6. [Bug Fix] Update for security INTEL-SA-00532, INTEL-SA-00527, INTEL-SA-00525, INTEL-SA-00470
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R18

1. [Feature] Update RC 0612.D02 (2021.1 IPU PV)
 2. [Feature] Update Microcode SKX-H0: MB750654_02006b06, CLX-B0: MBf50656_04003102, CLX-B1: MBf50657_05003102
 3. [Feature] Update BIOS ACM v1.7.43 / SINIT v1.7.4A
 4. [Feature] Update DCPMM UEFI Driver v01.00.00.3515
 5. [Feature] Update SPS_E5_04.01.04.505.0
 6. [Bug Fix] For security CVE-2020-24511, CVE-2020-12358, CVE-2020-12360, CVE-2020-24486
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