

BIOS Release Notes

TITLE

SUBJECT: MA10-ST0 BIOS Release Notes version [F07](#)

System: [Rxxx-xx0-00](#), [Rxxx-xx0-00](#),

About This Release

Build Date: [2019/06/10](#)

BIOS Checksum: [0x5D030308](#)(8M), [0xCA2CFB83](#) (16M)

Release Owner: Ian.Liu

BIOS Components/Contents

Processor stepping(s) supported: Intel® Denverton processors

System hardware configurations supported: MA10-ST0

Microcode updates versions:

CPUID	Family	Microcode Update ID
506F0	Intel(R) Denverton Processor A-0 Stepping	00000010
506F1	Intel(R) Denverton Processor B-0 Stepping	0000002E

IPMI support:

AMI Kernel version: [5.013_Denverton_0ACHI035](#)

Intel CSI/MRC Package version: [0.149.4.43](#)

SPI Descriptor version: [04.00.04.177.0](#)

OPROM version :

OPROM	Version
AST2400 VGA	1.01.05
INTEL 1G PXE	1.5.53
INTEL 1G LAN EFI	6.2.08
INTEL 10G LAN EFI	5.8.10

Installation Notes

IMPORTANT NOTES:

1. Please extract the MA10-ST0_[F07](#).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\uf.bat or \Tool\Win64\uf.bat for bios update
4. After bios flash finish, please reboot system

BIOS UPDATE INSTRUCTIONS FOR LINUX:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\LNx\afulnx32\uf.sh or \Tool\LNx\afulnx64\uf.sh 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

F07

1. Update microcode for Intel security issue INTEL-SA-00191 and INTEL-SA-00233.
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F06

1. Fine tune Trusted Computing item.
 2. Update SPS 4.0.4.177 for Intel security issue.(SPS 4.0.4.139 -> SPS 4.0.4.177)
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F05

1. Update microcode for Intel security issue.
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F04

1. Update Denverton PV version kernel.
 2. Update Intel microcode.
 3. Set year default.
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F03

1. Update SPS 04.00.04.139 for security update.
 2. Update LEK1 10G LAN.(80000462 -> 8000084B, 8000047E -> 80000867)
 3. Fix incorrect SATA information on POST.
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F02

1. Update AMI code Base 0ACHI030.
2. Update SPS 04.00.03.065.0_b0
3. Update 10G LAN efi drivers(5.8.04 -> 5.8.10).
4. Fix 4Kn incorrect size on setup.

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5. Fix WHQL "WatchDog Timer Test" fail.
6. Set RTC item.
7. Patch BMC show NMI error.
8. Restore PCIe root port default.

F01

1. Release PVT BIOS.
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