

# BIOS Release Notes

## TITLE

**SUBJECT:** MA10-ST0 BIOS Release Notes version [F02](#)  
**System:** [Rxxx-xx0-00](#), [Rxxx-xx0-00](#),

### About This Release

**Build Date:** [2017/7/19](#)  
**BIOS Checksum:** [0x5D92ED97](#) (8M), [0xC33E86A3](#) (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
<a href="#">506F0</a>	<a href="#">Intel(R) Denverton Processor A-0 Stepping</a>	<a href="#">00000010</a>
<a href="#">506F1</a>	<a href="#">Intel(R) Denverton Processor B-0 Stepping</a>	<a href="#">00000010</a>

**IPMI support:**

**AMI Kernel version:** [Gbt\\_Kernel\\_074\\_14](#)

**Intel CSI/MRC Package version:** [131.R09](#)

**SPI Descriptor version:** [04.00.03.176.0\\_06](#)

**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\_[F02](#).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 UPDATE INSTRUCTIONS FOR LINUX:

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

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.
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.