

IPMI Firmware / BIOS Release Notes Form

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Product Name	X10SRi-F
Release Version	3.0a
Release Date	2/8/2017
Previous Version	2.0b
Update Category	Critical
Dependencies	None
Important Notes	None
Enhancements	1. Updated CPU microcode to address 'Spectre' variant 2 (CVE 2017-5715) security issue. 2. Updated SATA RAID OPRM/EFI driver to RSTe PreOS v4.7.0.1014. 3. Updated Intel Server Platform Services 3.1.3.50 for Grantley Refresh Platforms. 4. Removed support for using Ctrl+home to trigger recovery. 5. Changed Memory correctable threshold to 100 and enabled Cloaking for Broadwell CPU E5-26xx SKU. 6. Changed BIOS revision to 3.0a. 7. Updated Broadwell-EP RC 4.3.0 PLR10 release. 8. Removed the "P1" string when Memory error occurs on UP server. 9. Corrected POST diagnostic signOn string. 10. Patched Micron Z11C DIMM to improve stability. 11. Changed tCCD_L Relaxation default to 1 and changed string from Enabled to Auto.

	12. Appended VPD - VB tag in VPD-W Tag(0x91) area. 13. Updated new MRC error log definition. 14. Added Intel SPI vulnerability patch for Grantley. 15. Added "SMBIOS Preservation" Enabled/Disabled item for flash recovery. 16. Enhanced SMC Recovery Flash Boot Block feature.
New features	1. Displayed setup item "ACS Control" to Enable/Disable PCIe Access Control Services Extended Capability. 2. Added BBS reset function to SmcOobLoadBiosDefault(). 3. Added SumBbsSupportFlag into DAT file. 4. Implemented SMC Recovery Flash Boot Block feature.
Fixes	1. Fixed issue of SUM TC306 and TC317 failing in certain configuration cases. 2. Fixed problem of system resetting or hanging after Watch Dog function is enabled and then BIOS is updated. 3. Fixed incorrect memory error location on UP server. 4. Fixed problem of system hanging on POST code 0xB2. 5. Fixed problem of system resetting or hanging after Watch Dog function is enabled during BIOS update. 6. Fixed inability to get correct Memory CECC DIMM location via SD5. 7. Fixed inability to log Patrol Scrub UCE. 8. Fixed problem of incorrect PCI slot number showing on Legacy/UEFI mode.