

IPMI Firmware / BIOS Release Notes Form

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Product Name	X11SPM-T(P)F
Release Version	2.1
Release Date	6/15/2018
Previous Version	2.0b
Update Category	Critical
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.2. Changed BIOS revision to 2.1.3. Updated 5.12_PurleyCrb_0ACFD088 for Purley Skylake platform PLR7, BKC 2018 WW20.4. Updated BIOS ACM 1.3.7 and SINIT ACM 1.3.4.5. Added one event log to record that the event log is full.6. Added support for VMD settings to be preserved after flashing.7. Updated SATA RAID OPROM/EFI driver to RSTe PreOS v5.4.0.1039.8. Corrected BIOS/ME downgrade check for SPS 4.0.4.340.9. Added support for UEFI mode PXE boot of F12 hot key Net boot.10. Added setup item "SmcBusMasterEn" for enabling Parent bridge of the devices in the gSmcPciForceEnableBusMasterList.11. Added support for SATA FLR.

New features	N/A
Fixes	1. Fixed problem of DMI being cleared when running SUM UpdateBios. 2. Fixed problem of Ctrl + Alt + Del causing system to hang after flashing BIOS.

2.0b (2/26/2018)

1. Updated CPU microcode to address 'Spectre' variant 2 (CVE 2017-5715) security issue.
2. Updated BIOS version to 2.0b.
3. Updated 5.12_PurleyCrb_0ACFD085Beta for Purley Skylake platform PLR 4, BKC WW02.
4. Displayed setup item "ACS Control" to Enable/Disable PCIe Access Control Services Extended Capability, with Enabled as default.
5. Disabled CPU2 IIO PCIe root port ACPI hot plug function.
6. Fixed issue with IPMI force boot.
7. Fixed malfunction of "SMBIOS Preservation" Disabled.
8. Fixed problem of SMC skipping first boot option in UEFI mode when retrying boot.
9. Fixed inability to reset the system under DOS by pressing "Ctrl-Alt-Del" on USB keyboard when "Port 60/64 Emulation" is disabled.
10. Fixed inability of some CPUs to display correct microcode revision under BIOS setup menu.
11. Fixed inability to detect 2 NVMeS with AOC 2E2T.
12. Fixed failure of SUM TC 219.