

IPMI Firmware / BIOS Release Notes Form

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Product Name	X10DSC+
Release Version	3.1
Release Date	7/24/2018
Previous Version	3.0a
Update Category	Recommended
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 version to 3.1.3. Added support for IPMI IPV6.4. Removed unsupported memory frequency options from setup menu.5. Updated Broadwell-EP RC 4.4.0 release.6. Modified auto switch bifurcation on CPU slot2 when two AOC-SLG3-2M2s are installed.
New features	N/A
Fixes	<ol style="list-style-type: none">1. Fixed problem of Afu /O command clearing SMC SMBIOS region (\$SMC).

	<p>2. Fixed problem of SUM OOB GetSataInfo always showing "Configuration Type" as "AHCI" when setting "Configure SATA as" to "RAID" or "IDE".</p> <p>3. Set Descriptor Region of BIOS Region Write Access to "No".</p>
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Release Notes from Previous Release(s)

3.0a (2/8/2018)

1. *Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security issue.*
2. *Updated Broadwell-EP RC 4.3.0 PLR11 release.*
3. *Updated BIOS ACM 3.1.1 PW and SINIT ACM 3.1.1 PW.*
4. *Corrected POST diagnostic signOn string.*
5. *Added tCCD_L Relaxation item under Memory Configuration menu.*
6. *Added SumBbsSupportFlag into DAT file.*
7. *Changed Memory correctable threshold to 100 and enabled Cloaking for Broadwell CPU.*
8. *Added support for JEDEC NVDIMM.*
9. *Added Ramaxel JEDEC ID to support Ramaxel memory.*
10. *Fixed problem of NVDIMM setup items appearing when optimized defaults load even without NVDIMM being installed.*
11. *Fixed problem of SMBIOS Type4 CPU2 current speed not showing as zero when CPU2 is not installed.*
12. *Fixed problem of system resetting or hanging after Watch Dog function is enabled during BIOS update.*
13. *Fixed problem of MWAIT being disabled on BSP only.*
14. *Fixed inability to get correct Memory CECC DIMM location via SD5.*
15. *Fixed problem of single channel reading mux when BIOS reads BPN ID.*
16. *Added workaround to skip retimer for AOC-SLG3-4E4R.*
17. *Fixed inability to enter setup menu by pressing "DEL" key if Re-try Boot feature is enabled and there are no boot devices.*