

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X10DSC+</b>
<b>Release Version</b>	<b>3.0a</b>
<b>Release Date</b>	<b>2/8/2018</b>
<b>Previous Version</b>	<b>2.0c</b>
<b>Update Category</b>	<b>Critical</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>N/A</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security issue.</li><li>2. Updated Broadwell-EP RC 4.3.0 PLR11 release.</li><li>3. Updated BIOS ACM 3.1.1 PW and SINIT ACM 3.1.1 PW.</li><li>4. Corrected POST diagnostic signOn string.</li><li>5. Added tCCD_L Relaxation item under Memory Configuration menu.</li><li>6. Added SumBbsSupportFlag into DAT file.</li><li>7. Changed Memory correctable threshold to 100 and enabled Cloaking for Broadwell CPU.</li></ol>
<b>New features</b>	<ol style="list-style-type: none"><li>1. Added support for JEDEC NVDIMM.</li></ol>
<b>Fixes</b>	<ol style="list-style-type: none"><li>1. Added Ramaxel JEDEC ID to support Ramaxel memory.</li><li>2. Fixed problem of NVDIMM setup items appearing when optimized</li></ol>

	<p>defaults load even without NVDIMM being installed.</p> <p>3. Fixed problem of SMBIOS Type4 CPU2 current speed not showing as zero when CPU2 is not installed.</p> <p>4. Fixed problem of system resetting or hanging after Watch Dog function is enabled during BIOS update.</p> <p>5. Fixed problem of MWAIT being disabled on BSP only.</p> <p>6. Fixed inability to get correct Memory CECC DIMM location via SD5.</p> <p>7. Fixed problem of single channel reading mux when BIOS reads BPN ID.</p> <p>8. Added workaround to skip retimer for AOC-SLG3-4E4R.</p> <p>9. Fixed inability to enter setup menu by pressing "DEL" key if Re-try Boot feature is enabled and there are no boot devices.</p>
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