

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X10DRU-XLL</b>
<b>Release Version</b>	<b>3.1c SPS: 3.1.3.72</b>
<b>Release Date</b>	<b>6/27/2019</b>
<b>Build Date</b>	<b>6/27/2019</b>
<b>Previous Version</b>	<b>3.1</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. Changed BIOS revision to 3.1c.</li><li>2. Updated Post Launch Release 072 for Grantley Server for INTEL-SA-00213 Security Advisory to address CVE-2019-0089, CVE-2019-0090, CVE-2019-0086, CVE-2019-0091, CVE-2019-0092, CVE-2019-0093, CVE-2019-0094, CVE-2019-0096, CVE-2019-0097, CVE-2019-0098, and CVE-2019-0099 security issues.</li><li>3. Updated SATA/sSATA RAID OPROM/EFI driver to VROC PreOS v6.1.0.1017.</li><li>4. Updated Haswell-EP/Broadwell-EP CPU microcode from SRV_P_273 for INTEL-SA-00233 Security Advisory to address CVE-2018-12126, CVE-2018-12127, and CVE-2018-12130 security issues.</li><li>5. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.</li><li>6. Updated VBIOS and VGA EFI Driver to 1.09.</li><li>7. Updated CPU microcode for PC6 issue.</li><li>8. Updated Broadwell-EP RC 4.4.0 release.</li></ol>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<b>N/A</b>

*Release Notes from Previous Release(s)*

**3.1 (6/12/2018)**

1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
2. Updated Broadwell-EP RC 4.4.0 release.
3. Fixed issue of system hanging while doing the ONOFF test with AOC-3108.

**3.0a (2/22/2018)**

1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security patch issue.
2. Updated Broadwell-EP RC 4.3.0 PLR11 release.
3. Updated Intel Server Platform Services 3.1.3.38 PLR7 for Grantley Refresh Platforms.
4. Fixed issue of kernel panic occurring with Redhat 7.3 (Kernel 3.10.0.514) when limiting cores.