

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X10DRH-CLN4/ILN4</b>
<b>Release Version</b>	<b>3.2 SPS: 3.1.3.72</b>
<b>Release Date</b>	<b>11/21/2019</b>
<b>Build Date</b>	<b>11/21/2019</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 3.2.</li><li>2. Updated SINIT ACM 3.1.4 PW for Intel-SA00240 (CVE-2019-0151 CVSS 3.1: 7.5 High).</li><li>3. Updated Broadwell-EP B0/M0/R0 CPU microcode MEF406F1_0B000038 for Intel-SA00219 (CVE-2019-0117) and Intel-SA00220 (CVE-2019-0123).</li><li>4. Updated Intel Server Platform Services 3.1.3.72 for Grantley Refresh Platforms.</li><li>5. Updated Haswell-EP/Broadwell-EP CPU microcode from INTEL-SA-00233.</li><li>6. Updated VBIOS from 1.03.01 to 1.09.00.</li><li>7. Enabled RFC4122 UUID support.</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 (6/11/2018)**

- 1. Implemented enhancement to address 'Spectre' variant 2 (CVE-2018-3639 & CVE-2018-3640) security patch issue.*
- 2. Updated RC to 4.3.0.*
- 3. Changed BIOS revision to 3.1.*
- 4. Updated SSATA and SATA RXEQ according to the lab test result.*
- 5. Added "tCCD\_L Relaxation" item under Memory Configuration menu.*
- 6. Fixed issue with WHQL USB 3.0 mapping.*
- 7. Fixed missing sensor readings for some NVIDIA AOCs due to BIOS not sending data to IPMI.*
- 8. Set Descriptor Region (Bit 0) of BIOS Region Write Access to "No".*

**3.0a (2/28/2018)**

- 1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security patch issue.*
- 2. Updated RC to 4.3.0.*
- 3. Changed BIOS revision to 3.0a.*
- 4. Updated SSATA and SATA RXEQ according to the lab test result.*
- 5. Added "tCCD\_L Relaxation" item under Memory Configuration menu.*
- 6. Fixed issue with WHQL USB 3.0 mapping.*
- 7. Fixed missing sensor readings for some NVIDIA AOCs due to BIOS not sending data to IPMI.*