

## BIOS Release Notes Form

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<b>Product Name</b>	<b>X10DRH-CLN4/ILN4</b>
<b>Release Version</b>	<b>3.3 SPS: 3.1.3.72</b>
<b>Build Date</b>	<b>2/18/2021</b>
<b>Previous Version</b>	<b>3.2</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>1. Changed BIOS revision to 3.3. 2. Updated Intel Microcode: 0x44 for Haswell-EP. 3. Updated Grantley Refresh RC IPU2020.2 to address Intel-TA-00358: CVE-2020-0591 (6.7, Medium) and CVE-2020-0592 (3, Low), and Intel-TA-00390: CVE-2020-8738 (7.5, High), CVE-2020-8740 (6.7, Medium), and CVE-2020-8764 (8.2, High).</b>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<b>N/A</b>

**Release Notes from Previous Release(s)**

**3.2 (11/21/2019)**

1. *Changed BIOS revision to 3.2.*
2. *Updated SINIT ACM 3.1.4 PW for Intel-SA00240 (CVE-2019-0151 CVSS 3.1: 7.5 High).*
3. *Updated Broadwell-EP B0/M0/R0 CPU microcode MEF406F1\_0B000038 for Intel-SA00219 (CVE-2019-0117) and Intel-SA00220 (CVE-2019-0123).*
4. *Updated Intel Server Platform Services 3.1.3.72 for Grantley Refresh Platforms.*
5. *Updated Haswell-EP/Broadwell-EP CPU microcode from INTEL-SA-00233.*
6. *Updated VBIOS from 1.03.01 to 1.09.00.*
7. *Enabled RFC4122 UUID support.*

**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 NVDIA 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 NVDIA AOCs due to BIOS not sending data to IPMI.*