

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X10DSN-TS</b>
<b>Release Version</b>	<b>3.2 SPS: 3.1.3.72</b>
<b>Release Date</b>	<b>11/19/2019</b>
<b>Build Date</b>	<b>11/19/2019</b>
<b>Previous Version</b>	<b>2.0a</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. Updated SINIT ACM 3.1.4 PW for Intel-SA00240 (CVE-2019-0151 CVSS 3.1: 7.5 High).</li><li>2. Updated SATA/sATA RAID OPRM/EFI driver to VROC PreOS v6.2.0.1034.</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 SATA/sATA RAID OPRM/EFI driver to VROC PreOS v6.1.0.1017.</li><li>6. Updated valid range of IPMI setup item VLAN ID to 1-4094.</li><li>7. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.</li><li>8. Forced a global reset if SPI descriptor is not write-protected after BIOS flash.</li><li>9. Implemented anti-rollback for FDT Read-Only.</li></ol>

	<p>10. Implemented multi-line IPMI page text and string.</p> <p>11. Updated EIP393007 &amp; EIP411789 for TPM vulnerability when resuming S3.</p> <p>12. Added support for setting IPv6 Static Router1 prefix length and value in BIOS setup menu feature.</p> <p>13. Removed unsupported memory frequency options from setup menu.</p> <p>14. Updated Broadwell-EP RC 4.4.0 release.</p> <p>15. Added Intel SPI vulnerability patch for Grantley.</p>
New features	<p>1. Implemented SMC Recovery Flash Boot Block feature.</p>
Fixes	<p>1. Displayed the driver health support pages to support LSI (Broadcom 9440-8i) driver health status.</p> <p>2. Fixed malfunction of Windows Consistent Device Naming (CDN).</p> <p>3. Fixed problem of BIOS always retrying boot when Re-Try Boot is Disabled.</p> <p>4. Fixed malfunction of METW if many error events are triggered within a very short time.</p> <p>5. Fixed problem of Afu /O command clearing SMC SMBIOS region (\$SMC).</p> <p>6. Fixed problem of SUM OOB GetSataInfo always showing "Configuration Type" as "AHCI" when setting "Configure SATA as" to "RAID" or "IDE".</p> <p>7. Fixed inability to enter setup menu by pressing "DEL" key if Re-try Boot feature is enabled and there are no boot devices.</p> <p>8. Fixed failure of UEFI OS to boot or install when disabling BMC by motherboard jumper "JPB1" or by setting "BMC Support" to Disabled via BIOS setup.</p> <p>9. Set Descriptor Region of BIOS Region Write Access to "No".</p>