

# IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X10DRW-i(T)</b>
<b>Release Version</b>	<b>3.1c</b>
<b>Release Date</b>	<b>5/2/2019</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. Forced a global reset if SPI descriptor is not write-protected after BIOS flash.</li><li>3. Implemented anti-rollback for FDT Read-Only.</li><li>4. Implemented multi-line IPMI page text and string.</li><li>5. Updated EIP393007 &amp; EIP411789 for TPM vulnerability when resuming S3.</li><li>6. Updated Intel Server Platform Services 3.1.3.72 for Grantley Refresh Platforms.</li><li>7. Updated SATA/sATA RAID OPROM/EFI driver to VROC PreOS v6.1.0.1017.</li><li>8. Updated VBIOS and VGA EFI Driver to 1.09.</li><li>9. Updated Haswell-EP/Broadwell-EP CPU microcode from SRV_P_273 for INTEL-SA-00233 security advisory.</li></ol>

	<p><b>10. Updated valid range of IPMI setup item VLAN ID to 1-4094.</b></p> <p><b>11. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.</b></p> <p><b>12. Added support for setting IPv6 Static Router1 prefix length and value in BIOS setup menu feature.</b></p>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<p><b>1. Fixed problem of BIOS always retrying boot when Re-Try Boot is Disabled.</b></p> <p><b>2. Fixed malfunction of METW if many error events are triggered within a very short time.</b></p> <p><b>3. Displayed the driver health support pages to support LSI (Broadcom 9440-8i) driver health status.</b></p> <p><b>4. Fixed malfunction of Windows Consistent Device Naming (CDN).</b></p>

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

**3.1 (06/07/2018)**

1. *[Enhancements] Change BIOS revision to 3.1.*
2. *[Enhancements] Update Broadwell-EP RC 4.4.0 release.*
3. *[Enhancements] Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.*
4. *[Fixes] Patch QPI error workaround.*
5. *[Enhancements] Add IPMI IPV6 support.*
6. *[Fixes] Fixed Afu /O command will clear SMC SMBIOS region (\$SMC).*
7. *[Enhancements] Remove unsupported memory frequency options from setup menu.*
8. *[Fixes][OOB] SUM GetSataInfo always shows "Configuration Type" as "AHCI" when setting "Configure SATA as" to "RAID" or "IDE".*
9. *[Fixes] Fixed SMBIOS does not change to default even if preserve SMBIOS setup item set disable during recovery.*
10. *[Fixes] Per Intel recommended settings to set Descriptor Region of BIOS Region Write Access to "No".*