

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X10DRT-H</b>
<b>Release Version</b>	<b>3.0a</b>
<b>Release Date</b>	<b>2/8/2018</b>
<b>Previous Version</b>	<b>2.0b</b>
<b>Update Category</b>	<b>Critical</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. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security patch issue.</li><li>2. Updated Broadwell-EP RC 4.3.0 PLR11 release.</li><li>3. Updated Intel Server Platform Services 3.1.3.50 for Grantley Refresh Platforms.</li><li>4. Updated SATA RAID OPRM/EFI driver to RSTe PreOS v4.7.0.1014 (RSTe SATA 4.7.0.1069 and NVMe 4.7.0.2063).</li><li>5. Added tCCD_L Relaxation item under Memory Configuration menu.</li><li>6. Updated BIOS ACM 3.1.1 PW and SINIT ACM 3.1.1 PW.</li><li>7. Added SumBbsSupportFlag into DAT file.</li><li>8. Added "SMBIOS Preservation" Enabled/Disabled item for flash recovery.</li><li>9. Enhanced SMC Recovery Flash Boot Block feature.</li><li>10. Fixed inability of SUM to get COM2/SOL settings from BIOS.</li></ol>

	<p>11. Fixed inability of SUM utility to get "Setup Prompt Timeout" setup item.</p> <p>12. Added support for UEFI mode PXE boot via F12 hot key Net boot.</p>
New features	<p>1. Added ability of MECl (Multiple Event Count Increment) and METW (Multiple Event Time Window) to work with memory correct error and PCIe error reports.</p> <p>2. Implemented Dynamic MMCFG BASE feature.</p> <p>3. Added support for JEDEC NVDIMM.</p> <p>4. Implemented SMC Recovery Flash Boot Block feature.</p>
Fixes	<p>1. Fixed system hanging when plugging in an add-on card that contains non-SMC format VPD data.</p> <p>2. Fixed inability to change "Processor Frequency" when setting "Boot performance mode" to "Max Efficient" by AMIBCP.</p> <p>3. Fixed SUM error when running "GetCurrentBiosCfgTextFile" after BIOS setup modified by AMIBCP.</p> <p>4. Fixed system hanging at POST 0xB2 when installing Mellanox MCX311a and MCX312C-XCCT.</p> <p>5. Corrected MECl help string typo.</p> <p>6. Fixed problem of IPMI boot command being cleared even when persistence boot has been set.</p> <p>7. Fixed issue of "ChkHddInfoX64.efi -c" command failing.</p> <p>8. Fixed problem of system resetting or hanging after Watch Dog function is enabled during BIOS update.</p> <p>9. Fixed issue of SUM TC306 and TC317 failing in certain configuration cases.</p> <p>10. Fixed issue of power button not being reported in ACPI table when set to "4 Seconds Override".</p> <p>11. Fixed failure of software automation testing when riser card is plugged in.</p> <p>12. Fixed issue of Super.rom not working and SUT hanging on POST 79.</p>

	<p><b>13. Fixed failure of BIOS Auto Recovery.</b></p> <p><b>14. Fixed problem of MWAIT being disabled on BSP only.</b></p> <p><b>15. Fixed inability to get correct Memory CECC DIMM location via SD5.</b></p> <p><b>16. Fixed problem of SMBIOS Type4 CPU2 current speed not showing as zero when CPU2 is not installed.</b></p> <p><b>17. Updated FlashDriver module to Label 5 in order to fix inability of system to enter recovery mode when MAIN block is updated 45% and then system powers off.</b></p>
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