

IPMI Firmware / BIOS Release Notes Form

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| Product Name | X10DRD-LTP/i(N)TP |
| Release Version | 3.1c |
| Release Date | 6/28/2019 |
| Previous Version | 3.1 |
| Update Category | Recommended |
| Dependencies | None |
| Important Notes | None |
| Enhancements | <ol style="list-style-type: none">1. Changed BIOS revision to 3.1c.2. Forced a global reset if SPI descriptor is not write-protected after BIOS flash.3. Implemented anti-rollback for FDT Read-Only.4. Implemented multi-line IPMI page text and string.5. Updated EIP393007 & EIP411789 for TPM vulnerability when resuming S3.6. Updated Intel Server Platform Services 3.1.3.72 for Grantley Refresh Platforms.7. Updated SATA/sATA RAID OPROM/EFI driver to VROC PreOS v6.1.0.1017.8. Updated VBIOS and VGA EFI Driver to 1.09.9. Updated valid range of IPMI setup item VLAN ID to 1-4094. |

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| | <p>10. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.</p> <p>11. Added support for setting IPv6 Static Router1 prefix length and value in BIOS setup menu feature.</p> <p>12. Updated Haswell-EP/Broadwell-EP CPU microcode from SRV_P_273 for INTEL-SA-00233 Security Advisory to address CVE-2018-12126, CVE-2018-12127, CVE-2018-12130, and CVE-2019-11091 security issues.</p> <p>13. Updated setting for USB 2.0 OC mapping.</p> |
| New features | N/A |
| Fixes | <p>1. Fixed problem of BIOS always retrying boot when Re-Try Boot is Disabled.</p> <p>2. Fixed malfunction of METW if many error events are triggered within a very short time.</p> <p>3. Displayed the driver health support pages to support LSI (Broadcom 9440-8i) driver health status.</p> <p>4. Fixed malfunction of Windows Consistent Device Naming (CDN).</p> |

Release Notes from Previous Release(s)

3.1 (06/06/2018)

- 1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.*
- 2. Changed BIOS version to 3.1.*
- 3. Added support for IPMI IPV6.*
- 4. Removed unsupported memory frequency options from setup menu.*
- 5. Updated Broadwell-EP RC 4.4.0 release.*
- 6. Fixed problem of Afu /O command clearing SMC SMBIOS region (\$SMC).*
- 7. Fixed problem of SUM OOB GetSataInfo always showing "Configuration Type" as "AHCI" when setting "Configure SATA as" to "RAID" or "IDE".*
- 8. Fixed failure of SMBIOS to change to default even if preserve SMBIOS setup item is set to disabled during recovery.*
- 9. Set Descriptor Region of BIOS Region Write Access to "No".*

3.0a (02/08/2018)

1. *Changed BIOS revision to 3.0a.*
2. *Updated SATA RAID OPROM/EFI driver to RSTe PreOS v4.7.0.1014.*
3. *Updated Intel Server Platform Services 3.1.3.50 for Grantley Refresh Platforms.*
4. *Updated Haswell-EP C0,1/M0,1/R2 CPU microcode M6F306F2_0000003C and Broadwell-EP B0/M0/R0 CPU microcode MEF406F1_0B00002A from SRV_B_204 to address CVE-2017-5715.*
5. *Removed support for using Ctrl+home to trigger recovery.*
6. *Changed Memory correctable threshold to 100 and enabled Cloaking for Broadwell CPU E5-26xx SKU.*
7. *Updated BIOS ACM 3.1.1 PW and SINIT ACM 3.1.1 PW.*
8. *Added BBS reset function to SmcOobLoadBiosDefault().*
9. *Changed tCCD_L Relaxation default to 1 and changed string from Enabled to Auto.*
10. *Appended VPD - VB tag in VPD-W Tag(0x91) area.*
11. *Updated Broadwell-EP RC 4.3.0 PLR11 release.*
12. *Added SumBbsSupportFlag into DAT file.*
13. *Added support for LSI 3008/3016 HBA sensor.*
14. *Updated new MRC error log definition.*
15. *Added support for JEDEC NVDIMM.*
16. *Enabled OA1_SUPPORT to fix inability to modify OEM Data by AMIBCP.exe.*
17. *Added Intel SPI vulnerability patch for Grantley.*
18. *Updated Broadwell-EP B0/M0/R0 CPU uCode MEF406F1_0B000022.*
19. *Added "SMBIOS Preservation" Enabled/Disabled item for flash recovery.*
20. *Displayed setup item "ACS Control" to Enable/Disable PCIe Access Control Services Extended Capability.*
21. *Implemented SMC Recovery Flash Boot Block feature.*
22. *Fixed missing Manufacturer string in SMBIOS type 17 when Ramaxel DIMM is plugged in.*
23. *Fixed problem of NVDIMM setup items appearing when optimized defaults load even without NVDIMM being installed.*
24. *Fixed problem of SMBIOS Type4 CPU2 current speed not showing as zero when CPU2 is not installed.*
25. *Fixed problem of system resetting or hanging after Watch Dog function is enabled and then BIOS is updated.*
26. *Fixed inability to get correct Memory CECC DIMM location via SD5.*
27. *Fixed problem of system hanging at 79 with some NVDIMMs.*