

IPMI Firmware / BIOS Release Notes Form

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Product Name	X10DRL-CT/C/iT
Release Version	3.1c
Release Date	5/2/2019
Previous Version	3.1
Update Category	Critical
Dependencies	N/A
Important Notes	ECO #22328 BIOS Image X10DRLC9.502 Please update BIOS with attached Flash Utility in package.
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/sSATA RAID OPROM/EFI driver to VROC PreOS v6.1.0.1017.8. Updated VBIOS and VGA EFI Driver to 1.09.9. Updated Haswell-EP/Broadwell-EP CPU microcode from SRV_P_273 for INTEL-SA-00233 Security Advisory.10. Updated valid range of IPMI setup item VLAN ID to 1-4094.11. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.12. Added support for setting IPv6 Static Router1 prefix length and value in BIOS setup menu feature.

New features	N/A
Fixes	<ol style="list-style-type: none"> 1. Fixed problem of BIOS always retrying boot when Re-Try Boot is Disabled. 2. Fixed malfunction of METW if many error events are triggered within a very short time. 3. Displayed the driver health support pages to support LSI (Broadcom 9440-8i) driver health status. 4. Fixed malfunction of Windows Consistent Device Naming (CDN).

3.1 (6/6/2018)

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. Updated SATA RAID OPROM/EFI driver to RSTe PreOS v4.7.0.1014 (RSTe SATA 4.7.0.1069 and NVMe 4.7.0.2063).
7. Updated Intel Server Platform Services 3.1.3.50 for Grantley Refresh Platforms.
8. Added support for UEFI mode PXE boot via F12 hot key Net boot
9. Fixed problem of Afu /O command clearing SMC SMBIOS region (\$SMC).
10. Fixed problem of SUM OOB GetSataInfo always showing "Configuration Type" as "AHCI" when setting "Configure SATA as" to "RAID" or "IDE".
11. Fixed inability of SUM utility to get "Setup Prompt Timeout" setup item.
12. Fixed failure of SMBIOS to change to default even if preserve SMBIOS setup item is set to disabled during recovery.
13. Fixed SuperFlash malfunction.
14. Set Descriptor Region of BIOS Region Write Access to "No".
15. 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.

3.0b (2/8/2018)

1. Updated CPU microcode to address 'Spectre' variant 2 (CVE 2017-5715) security issue.
2. Changed BIOS revision to 3.0b.
3. Changed Memory correctable threshold to 100 and enabled Cloaking for Broadwell CPU E5-26xx SKU.