

IPMI Firmware / BIOS Release Notes Form

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Product Name	X10DRL-CT/C/iT
Release Version	3.2
Release Date	11/22/2019
Previous Version	3.1c
Update Category	Critical
Dependencies	N/A
Important Notes	ECO #23222 BIOS Image X10DRLC9.B22 Please update BIOS with attached Flash Utility in package.
Enhancements	<ol style="list-style-type: none">1. Updated SINIT ACM 3.1.4 PW for Intel-SA00240 (CVE-2019-0151 CVSS 3.1: 7.5 High, CVE-2019-0151: 7.5 High and CVE-2019-0152: 8.2 High)2. Updated SATA/sSATA RAID OPROM/EFI driver to VROC PreOS v6.2.0.1034.3. Updated Broadwell-EP B0/M0/R0 CPU microcode MEF406F1_0B000038 for Intel-SA00219 (CVE-2019-0117) and Intel-SA00220 (CVE-2019-0123, CVE-2019-0124)4. Updated AMI EIP453732, EIP470365, EIP451538, and CryptoPkg 32.01 for AMI SA50066.
New features	N/A
Fixes	N/A

Release Notes from Previous Release(s)

3.1c (5/2/2019)

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.*
13. *Fixed problem of BIOS always retrying boot when Re-Try Boot is Disabled.*
14. *Fixed malfunction of METW if many error events are triggered within a very short time.*
15. *Displayed the driver health support pages to support LSI (Broadcom 9440-8i) driver health status.*
16. *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.*