

IPMI Firmware / BIOS Release Notes Form

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Product Name	X11DPG-QT
Release Version	2.1
Release Date	7/20/2018
Previous Version	2.0b
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.2. Updated Purley RC 154.R13, SPS 4.0.04.340 and ACM 1.3.7, SINIT ACM 1.3.4.3. Updated SATA RAID OPROM/EFI driver to RSTe PreOS v5.4.0.1039.4. Added support for UEFI mode PXE boot of F12 hot key Net boot.5. Added BIOS/ME downgrade check for SPS 4.0.4.340.6. Added one event log to record that the event log is full.7. Displayed PPR setup item.8. Added support for SATA FLR.
New features	N/A

Fixes	<ol style="list-style-type: none">1. Fixed problem of SUM GetSataInfo showing incorrect "Configuration Type" when setting "Configure sSATA as" to "AHCI" or "RAID" on sSATA controller.2. Fixed problem of Ctrl + Alt + Del causing system to hang after flashing BIOS.3. Fixed problem of system hanging when installing Linux OS after COM1 & COM2 IO/IRQ exchange.4. Fixed failure of WDT function.5. Added workaround for low GPU P2P bandwidth.
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Release Notes from Previous Release(s)

2.0b (4/18/2018)

1. Updated CPU microcode to address 'Spectre' variant 2 (CVE 2017-5715) security issue.
2. Enabled IERR crash dump function.
3. Added setup item "SmcBusMasterEn" for enabling Parent bridge of the devices in the gSmcPciForceEnableBusMasterList.
4. Updated 5.12_PurleyCrb_0ACFD085Beta for Purley Skylake platform PLR 4, BKC WW02.
5. Displayed setup item "ACS Control" to Enable/Disable PCIe Access Control Services Extended Capability, with Enabled as default.
6. Changed BIOS revision to 2.0b.
7. Added support for M/B 1.10A with 32MB BIOS chip.
8. Implemented SMC OOB TPM Provisioning via IPMI Feature for customized provisioning table.
9. Changed RC default setting to upgrade POST Memory correctable error to uncorrectable error and map out the channel.
10. Fixed problem of yellow marked device appearing in Windows device manager after S3 resumes.
11. Corrected the "Save Changes" setup option string in "Save & Exit" menu.
12. Disabled SNC once NVDIMM is present in system.
13. Fixed problem of system hanging during BIOS flashing if Watch Dog function is enabled.
14. Fixed problem of TPM 2.0 PS NV Index not being write-protected even if customized provisioning table indicates that it must be write-protected when using "SMC OOB TPM Provisioning via IPMI feature".
15. Fixed problem of system rebooting endlessly when equipping dTPM module.
16. Fixed problem of DMI being cleared when running SUM LoadDefaultBiosCfg.
17. Fixed problem of some platforms hanging up at POST code 0xB2 when equipping dTPM module.
18. Fixed inability of BIOS to boot into OS with Intel P3608 PCIe NVMe drive installed.
19. Disabled CPU2 IIO PCIe root port ACPI hot plug function.
20. Fixed issue with IPMI force boot.
21. Fixed issue of all commands requesting to be persistent.
22. Fixed malfunction of "SMBIOS Preservation" Disabled.
23. Fixed problem of SMC skipping first boot option in UEFI mode when retrying boot.
24. Fixed problem of the endpoint PCIe device having error bits in PCI Status or Device Status register.
25. Fixed inability to set memory policy.
26. Fixed inability to reset the system under DOS by pressing "Ctrl-Alt-Del" on USB keyboard when "Port 60/64 Emulation" is disabled.
27. Fixed failure of BIOS ECO ATT test case 306.
28. Fixed inability of some CPUs to display correct microcode revision under BIOS setup menu.
29. Fixed failure of SATA HSIO register setting test.