

IPMI Firmware / BIOS Release Notes Form

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Product Name	X11DPL-i
Release Version	3.0b
Release Date	3/4/2019
Previous Version	2.1
Update Category	Critical
Dependencies	N/A
Important Notes	ECO #21993 BIOS Image X11DPLI9.304 Please update BIOS with attached Flash Utility in package.
Enhancements	<ol style="list-style-type: none">1. Added support for Purley Refresh platform.2. Updated SPS to 4.1.04.256 (4.1.02.174 or above) for INTEL-SA-00185 Security Advisory RC to 576.D20 (549.D13 or above) for INTEL-SA-00192 Security Advisory.3. Updated CPU microcode for Skylake-SP H0/M0/U0 stepping CPUs.4. Added support for Monitor Mwait feature.5. Set BMC MAC Address to UUID for system without onboard LAN1 or with onboard LAN1 disabled.6. Updated SATA RAID OPRM/EFI driver to RSTe PreOS v6.0.0.1024.7. Set PCIe correctable and uncorrectable (non-fatal) error report to disabled by default.8. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.9. Updated CPU microcode SRV_P_262 for Skylake-SP H0/M0/U0 CPUs.10. Disabled unused SPS ME "CUPS IIO" and "Volumetric Airflow" sensor.11. Added 2933 to memory POR.12. Added support for Linux built-in utility efibootmgr.13. Updated valid range of IPMI setup item VLAN ID to 1-4094.14. Added driver health warning message.15. Set NVDIMM ADR timeout to 600us.

New features	N/A
Fixes	<ol style="list-style-type: none"> 1. Fixed malfunction of CPU PBF (Prioritized Base Frequency). 2. Fixed problem of setup item "Quiet Boot" staying enabled after flashing BIOS with "Quiet Boot" disabled. 3. Fixed incorrect PBF high frequency core number when Hyper-Threading is disabled. 4. Added workaround for failure of BIOS flash with 156 bytes PubKey (Error: "Secure Flash Rom Verify Fail"). 5. Modified UEFI network description to IPv4/IPv6 to follow Industry Standard. 6. Patched problem of system hanging at 0x94 when plugging in Nvidia Tesla T4 card.

Release Notes from Previous Release(s)

2.1 (6/15/2018)

1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
2. Changed BIOS version to 2.1.
3. Updated Purley RC 154.R13, SPS 4.0.04.340 and ACM 1.3.7, SINIT ACM 1.3.4.
4. Updated SATA RAID OPRM/EFI driver to RSTe PreOS v5.4.0.1039.
5. Added BIOS/ME downgrade check for SPS 4.0.4.340.
6. Added support for UEFI mode PXE boot of F12 hot key Net boot.
7. Added one event log to record that the event log is full.
8. Displayed PPR setup item.
9. Added support for SATA FLR.
10. Fixed problem of SUM GetSataInfo showing incorrect "Configuration Type" when setting "Configure sSATA as" to "AHCI" or "RAID" on sSATA controller.
11. Fixed problem of Ctrl + Alt + Del causing system to hang after flashing BIOS.
12. Fixed problem of system hanging when installing Linux OS after COM1 & COM2 IO/IRQ exchange.
13. Rolled back SVN_3413 to fix failure of WDT function.

2.0b (3/6/2018)

1. Updated CPU microcode SRV_B_216 for Skylake-SP H0/M0/U0 stepping CPUs to address 'Spectre' variant 2 (CVE 2017-5715) security issue.
2. Changed BIOS version to 2.0b.
3. Updated 5.12_PurleyCrb_OACFD085Beta for Purley Skylake platform PLR 4, BKC WW02.
4. Displayed setup item "ACS Control" to Enable/Disable PCIe Access Control Services Extended Capability, with Enabled as default.
5. Updated BIOS ACM 1.3.5 and SINIT ACM 1.3.3.
6. Disabled CPU2 IIO PCIe root port ACPI hot plug function.
7. Fixed IPMI force boot issue.
8. Fixed malfunction of "SMBIOS Preservation" Disabled.
9. Fixed problem of SMC skipping first boot option in UEFI mode when retrying boot.
10. Fixed inability to reset the system under DOS by pressing "Ctrl-Alt-Del" on USB keyboard when "Port 60/64 Emulation" is disabled.
11. Fixed inability of some CPUs to display correct microcode revision under BIOS setup menu.
12. Hid unused items "Onboard NVME1\2 Option ROM" in BIOS setup menu.
13. Fixed inability of IPMI Web to report correct information for customer PSU "GW-ERP1U450-2H".

2.0 (11/29/2017)

1. Changed BIOS revision to 2.0.
2. Updated SATA RAID OPRM/EFI driver to RSTe PreOS v5.3.0.1052.
3. Updated BIOS ACM 1.3.4.
4. Updated SPS to 4.0.4.294.
5. Updated CPU microcode SRV_P_214 for Skylake-EP H0/M0/U0 stepping CPUs.
6. Updated 5.12_PurleyCrb_OACFD084_BETA for Purley Skylake platform PLR 3.1
7. Fixed problem of SNC being disabled once NVDIMM is present in system.
8. Fixed problem of DMI being cleared when SUM LoadDefaultBiosCfg is run.