IPMI Firmware / BIOS Release Notes Form

Product Name	**X11SPH-nCTF/nCTPF**
Release Version	**2.0**
Release Date	**11/29/2017**
Previous Version	**1.0**
Update Category	**Critical**
Dependencies	**None**
Important Notes	**N/A**
Enhancements	**1. Enabled display of EarlyVideo message by onboard video when VGA Priority is set to Offboard.** **2. Added support for M.2 slot (PCIe M.2).** **3. Updated 5.12_PurleyCrb_0ACFD083_BETA for Purley Skylake Platform BKC WW39.** **4. Updated BMC LAN configuration for saving settings of BIOS setup menu.** **5. Changed BIOS revision to 2.0.** **6. Updated help string for tCCD relax setup option.** **7. Corrected help string of setup item "Enforce POR".** **8. Updated new MRC error log definition.** **9. Allowed runtime memory UCE mapout message to be displayed one time during BIOS POST.**

	10. Increased SataRaidOromDelay & SataRaidOromDelay to 6 seconds.
	11. Updated CPU microcode SRV_P_211 for Skylake-EP H0 stepping CPUs.
	12. Updated BIOS ACM 1.3.4.
	13. Updated SATA RAID OPROM/EFI driver to RSTe PreOS v5.3.0.1052.
	14. Set message "BIOS cannot support downgrade to previous version or ROMID mismatch" to show when trying to downgrade BIOS or flash other model of BIOS.
	15. Removed PCI PERR/SERR Support item and enabled reporting PCIe error by default.
	16. Updated Purley SPS 4.0.04.294 and CPU microcode.
New features	1. Removed support for Ctrl+home triggering recovery.
	2. Set display of setup option for always turbo mode function as default.
	3. Exported "IMC Interleaving" item for performance tuning.
	4. Displayed "PCIe PLL SSC" setup item for clock spectrum function.
	5. Added the "PEI--IPMI Initialization" Post-Help message.
	6. Added setup item for Samsung tRWSR workaround.
	7. Displayed setup item "Core Disable Bitmap(Hex)" in BIOS CPU Configuration page.
Fixes	1. Fixed inability of the system to enter TXT Environment when using TPM 1.2 on production platform.
	2. Fixed problem of TPM 2.0 BIOS-Based Provisioning table not setting PW flag to PS LCP Data for production platform.
	3. Fixed failure of setup item "Install Windows 7 USB support".
	4. Fixed failure of Password Preservation Test due to password not being preserved.
	5. Fixed problem of the string of "Error DIMM information" on screen being corrupted when equipping failed DIMM.

	6. Fixed inability to enter setup menu when pressing "DEL" key if there is no boot device.
	7. Added an AMI patch to fix system sometimes hanging when entering Setup menu.
	8. Fixed problem of SUM GetDmiInfo command error "Invalid DMI information from BIOS" occurring.
	9. Fixed failure of SMBIOS Type 20 to fill Interleave Position and Interleaved Data Depth correctly.
	10. Fixed problem of system hanging when set to NVMe VMD mode for CPU PCIe Root Port.
	11. Fixed BMC PCIe root port being forced to Gen1.
	12. Corrected Hynix DIMM info as "SK Hynix".
	13. Corrected PCIe slot2 string to match motherboard silkscreen.
	14. Fixed problem of system hanging during BIOS flashing if Watch Dog function is enabled.
	15. Fixed problem of system rebooting endlessly when equipping dTPM module.
	16. Fixed problem of DMI clearing when running SUM LoadDefaultBiosCfg.