IPMI Firmware / BIOS Release Notes Form

Product Name	**X11DSN-TS(Q)**
Release Version	**3.1 SPS: 04.1.4.296**
Release Date	**5/2/2019**
Previous Version	**3.0a**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Updated Skylake-SP/Cascade Lake-SP CPU microcode.** **2. Updated Intel BKCWW16 2019 PV PLR1.** **3. Updated SPS_E5_04.01.04.296.0 from BKC WW16 2019.** **4. Updated EIP467272 for AMI SA50069, SA50070.** **5. Set SDDC Plus One or SDDC to disabled by default.** **6. Updated SATA/sSATA RAID OPROM/EFI driver to VROC PreOS v6.1.0.1017.** **7. Set ADDDC Sparing to enabled by default.** **8. Set BMC MAC address to UUID for system without onboard LAN1 or with onboard LAN1 disabled.** **9. Set PCIe correctable and uncorrectable (non-fatal) error report to disabled by default.** **10. Set RFC4122 encoding to only be enabled for build time produced by IPMI 1.29 or newer.** **11. Disabled unused SPS ME "CUPS IIO" and "Volumetric Airflow" sensor.**

	12. Updated valid range of IPMI setup item VLAN ID to 1-4094.
	13. Added driver health warning message.
	14. Hid Driver Health page for SUM.
	15. Set NVDIMM ADR timeout to 600us.
	16. Enhanced the solution for the error/warning message from dmidecode after a modification by AMIDE.
	17. Enhanced BIOS setup menu to auto-switch the Option ROM's value and hide the unexpected value when boot mode changes.
	18. Enhanced BIOS setup menu to switch the boot mode value and Option ROM's values when CSM support is disabled and applied this to enabled secure boot mode case.
New features	N/A
Fixes	1. Fixed inability to change IPv6 address or IPv6 Router1 IP address.
	2. Corrected DMI table type 41 number when installing different types of SIOM add-on card.
	3. Fixed problem of setup item "Quiet Boot" staying enabled after flashing BIOS with "Quiet Boot" disabled.
	4. Fixed problem of the system equipped with dTPM 2.0 hanging up at POST code 0x90 when disabling dTPM 2.0 by SUM TPM OOB command "--disable_dtpm".
	5. Corrected TPM RSD ChangeTPMState behavior to control TPM 1.2/2.0 state instead of "Security Device Support".
	6. Fixed problem of TPM 2.0 device disappearing when disabling "RSD PSME ChangeTPMState API" and then enabling TPM 2.0 state.
	7. Modified UEFI network description to IPv4/IPv6 to follow Industry Standard.
	8. Fixed inability to log SERR event for ASC-29320LPE.
	9. Fixed problems of system hanging up at POST code 0x92 and rebooting endlessly during POST and inability to get PPIN under OS

	(DOS/EFI shell/Windows/Linux).
	10. Fixed failure to log memory UCE event due to incorrect flag.
	11. Fixed inability of "Network Stack"-related items to get/change via SUM OOB method.
	12. Fixed incorrect display of the TDP of Intel Speed Select table.
	13. Patched problem of incorrect memory power being reported in PTU.
	14. Applied workaround for inability of SUM to get full setting of IODC setup item.
	15. Temporarily fixed error for SKX (CLX) 4114 CPU memory training with Micron (18ASF2G72PDZ-2G6E1) RDIMM.
	16. Fixed loss of all LAN items when boot mode changes from Dual mode to UEFI mode.

3.0a (1/29/2019)

1. Added support for Purley Refresh platform.

2. Updated AMI label 5.14_PurleyCrb_0ACLA040.1_BETA, BKC WW02 2019.

3. Updated SINIT ACM 1.7.1 PW from BKC WW02 2019.

4. Updated SATA RAID OPROM/EFI driver to RSTe PreOS v6.0.0.1024.

5. Set PCIe correctable and uncorrectable (non-fatal) error report to disabled by default.

6. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.

7. Set NVDIMM ADR timeout to 600us.

8. Fixed problem of setup item "Quiet Boot" staying enabled after flashing BIOS with "Quiet Boot" disabled.