IPMI Firmware

Product Name	**X11SPL-F**
Release Version	**1.46**
Release Date	**2/14/2018**
Previous Version	**1.21**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Improved multi-language content on the iKVM/HTML5 option menu and submenu.** **2. Adjusted VBAT's low battery threshold from 2.7V to 2.6V for new battery-cell BR2032.** **3. Removed the scrollbar and moved the buttons to the top.** **4. Changed the color of low battery sensor state to yellow for hardware monitor failure.** **5. Renamed Redfish APIs as follows: from /redfish/v1/UpdateService/SSL to /redfish/v1/UpdateService/SSLCert, and from /redfish/v1/UpdateService/SSL/Actions/SSL.Upload to /redfish/v1/UpdateService/SSLCert/Actions/SSLCert.Upload.** **6. Changed the license requirement of WebGUI syslog from DCMS to OOB.**
New features	**1. Added new advance system event log.** **2. Added support for new thermal guide (SIM_TDG REV. 4.06) to correct fan PWM failure for SIS_TDG 4.06.** **3. Added support for Redfish firmware inventory (BIOS/BMC update).** **4. Added 204 and 405 http status code support for Redfish API so that**

	204 http status code responds to APIs that support PATCH and 405 http status code responds to APIs that do not support PATCH.
	5. Nested ICANN domain in "OEM" part if there is data to show.
	6. Added support for BBP2 feature.
	7. Added Intel OTA feature to fix failure of SMC OOB TPM Provisioning via IPMI feature for customized provisioning table.
Fixes	1. Fixed inability to change fan mode when default fan is in standard fan mode instead of PUE2 mode.
	2. Fixed problem of IPMI web BIOS update not resetting the system.
	3. Corrected Redfish APIs from /redfish/v1/Systems/1/Storage/HA-RAID/HA-RAID.[controller_num].Volume.[volume_num] to /redfish/v1/Systems/1/Storage/HA-RAID/Volumes/Controller.[controller_num].Volume.[volume_num] to correct Broadcom RAID volumes error.
	4. Fixed problem of help message not matching template.
	5. Fixed inability of SUM to run due to invalid DMI information.
	6. Fixed failure of SUM GetBmcCfg.
	7. Removed Upper Critical event log on CPU sensors to follow new thermal guide (SIM_TDG REV. 4.06).
	8. Fixed inability of IPMI firmware 1.36 to flash BIOS with SUM.
	9. Fixed inability to detect 2x U.2 NVME SSD in IPMI WebGUI, problem of fan speed control not working with firmware revision 01.35, problem of Standard Speed and Full Speed fan modes being the same for IPMI 1.35, and failure of fan PWM for SIS_TDG 4.06.
	10. Fixed problem of IPMI WebGUI not showing NVMe SSD on Server Health.
	11. Fixed problem of server IP being False when disabled.
	12. Fixed problem of fan duty fluctuating when multiple AVAGO 3108 AOCs exist.
	13. Fixed ability to enable "LDAP" and "Active Directory" at the same time.

	14. Fixed IPMI's mismatching NVMe slot IDs in the pop up windows for 12 NVMe drives connected to second enclosure.
	15. Fixed problem of IPMI Sensor Reading disappearing when resetting BMC AOC-SAS (LSI 3108).
	16. Fixed issue with DDNS enable/disable functionality.
	17. Fixed inability of DCMS mods to enable Syslog function and ability to read Syslog without OOB key.
	18. Fixed problem of unexpected system event logs generating every 2 minutes if "Syslog" is enabled.
	19. Fixed problem of NTP server shifting in IPMi v1.22 after IPMI is cold reset, switching AC off or on, or flashing IPMI.
	20. Fixed problem of different values appearing in SD5 and WebGUI for PSU fan RPM.
	21. Fixed problem of system hanging at POST stage, IERR occurring, and some affiliated HDDs within 3108 being lost when systems installed with 3108 AOC run cburn ON/OFF test.
	22. Fixed problem of IPMI SDR showing two "AOC_NIC_Temp" readings when SIOM AOC-MTG-i4T is installed.
	23. Fixed incorrect IPMI VBAT detection.
	24. Fixed incorrect power readings on "power consumption" page.