IPMI Firmware

Product Name	**X11SPW-TF/CTF**
Release Version	**1.69**
Release Date	**4/10/2019**
Previous Version	**1.46**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Revised Redfish firmware inventory (BIOS/BMC update).** **2. Revised Redfish "Actions" for clearing event log.** **3. Changed UTC zone time by SMCIPMITool commands.** **4. Changed the naming of "FirmwaveInventory" to "SmcFirmwaveInventory" to prevent user confusion with redfish standard define.** **5. Set the MAC address format to revert to "xx:xx:xx:xx:xx:xx" in order to prevent backward compatibility.** **6. Migrated IPMI Event Log to the URL "redfish/v1/Systems/1/LogServices" in Redfish and renamed the function name from "Event Log" to "System Management Log" in Redfish & Web UI.**

	7. Changed the naming for Health Event Log & Maintenance Event Log in Web UI.
New features	1. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware.
	2. Added new Redfish features for downloading and uploading IPMI configuration.
	3. Added adaptive temperature threshold in SDR for drives connected to 3108.
	4. Enabled AC Power On Event log.
	5. Added Redfish Memory Information feature.
	6. Enabled update of 3108's firmware over BMC's Web page.
	7. Added enable and disable options for 3108's JBOD mode over BMC's Web page and Redfish API "/redfish/v1/Systems/1/Storage/HA-RAID".
	8. Added support for Intel RSTe RAID status reporting for TAS + BMC Firmware Support TAS ver. 1.5.2 and extended SEL explanation for sensor type 0x0D (Drive Slot).
	9. Added support for TaskService feature during BMC and Broadcom storage controller update in Redfish.
	10. Added parameter (SkipCheckingME) for BIOS update in Redfish to skip ME checking.
	11. Added support for Redfish SimpleUpdate for BMC and BIOS firmware.
	12. Added support for saving 3108 storage controller status event.
	13. Added hardware component status in Redfish/WebGUI.
	14. Added support for TaskService feature during BIOS update in Redfish.
	15. Added new feature for GUID/BoardID in Redfish.
	16. Added new feature for event data extension in Redfish.

	17. Added OEM event Description and Severity in Redfish/WebGUI.
	18. Added OEM Event Alert.
	19. Provided Event Acknowledgment for the events with Warning/Critical severity level.
	20. Added support for BMC Event Log in Redfish and renamed the function name from "System Event Log" to "BMC Event Log" in Web UI.
	21. Added BMC support to monitor controller temperature, attached physical drive temperature, and attached physical drive status of Broadcom storage controller 3008/3216 (HBA/Host Bus Adapter).
	22. Clear all system event logs without generating any log and dumping all the system event logs.
	23. Added Hynix memory support for BMC.
	24. Added support for new Uboot code version.
	25. Patched CVE-2019-6260 pantsdown.
	26. Added support for T4 GPU sensor reading.
Fixes	1. Report AC Power On Event log when BMC executes cold reboot.
	2. Allow updating 3108's firmware over BMC's Web page if Physical/Logical device is on the card.
	3. Multi-language support on iKVM/HTML5 console help page.
	4. Allow NVMe temperature sensor reading to decrease.
	5. IPMI Web no longer shows system warning after updating firmware.
	6. Allow IPMICFG and IPMITool to change IPMIIPv6 mode.
	7. Fixed problem of ME firmware crashing when running SUM test.
	8. Redfish returns consistent codes (200, 500, 503) occurring from BMC using ApacheBench.

	9. Corrected Broadcom 3108 storage controller with BBU (battery unit) installed on motherboard to generate one BBU de-assertion event upon every BMC system reboot.
	10. Fixed inability to open 4th IKVM Session via Redfish.

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	10. Fixed inability to open 4th IKVM Session via Redfish.
	11. Fixed inability to remove DNS server IPv6 address.
	12. Correct NVMe eject and insert feature in Event log.
	13. Remove incorrect message appearing on iKVM/HTML5 page when disabling IKVM port.
	14. Corrected AOC NIC sensor threshold.
	15. Fixed problem of the system showing as normal when the power fails.
	16. Fixed issue of System Health Status not matching sensors health status.
	17. Fixed failure to update SSL certificate file.
	18. Fixed inability of AOC NIC Threshold to follow Thermal Guidelines.
	19. Fixed failure of Redfish Tool check and SATC test and inability of Operator to clear Eventlog and Acknowledge.
	20. Corrected IPMI SOL failures.
	21. Corrected IPMI Web Date & Time Configuration failures.
	22. System status now references PSU state when AC is lost.
	23. Sessions no longer times out after accessing system event log page and causing BMC boot loops.
	24. Fixed issue of "Save uncompleted" message appearing when changing time and saving on IPMI Web.
	25. WebUI no longer disappears after selecting simplified Chinese language.
	26. DCMS license activation now shows consistent status.
	27. Allow special characters !@#$%^&* for default password.

	28. Corrected KVM and remote control failures after using SSH in SMASH with AD account.
	29. Corrected performance degradation & unavailable SEL event appearing after Broadcom 3108 firmware is updated.
	30. Improved Web UI formatting.
	31. Corrected the sensor Qty of BMC.
	32. Corrected Redfish FullList Allowed Operation.
	33. Improved controller health after multiple HDDs are pulled out simultaneously.