

IPMI Firmware

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Product Name	X11SPI-TF
Release Version	1.69
Release Date	4/10/2019
Previous Version	1.38
Update Category	Recommended
Dependencies	N/A
Important Notes	N/A
Enhancements	<ol style="list-style-type: none">1. Improved the multi-language content on the iKVM/HTML5 option menu and submenu.2. Changed Redfish APIs for Broadcom RAID volumes error 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].3. Revised Redfish firmware inventory (BIOS/BMC update).4. Revised Redfish "Actions" for clearing event log.5. Changed UTC zone time by SMCIPMITool commands.6. Changed the naming for Health Event Log & Maintenance Event Log in Web UI.7. 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.
New features	<ol style="list-style-type: none">1. Added new Advanced System event log.2. Added support for BBP2 feature.3. Added Intel OTA feature to fix failure of SMC OOB TPM Provisioning via IPMI feature for customized provisioning table.4. Added support for M.2 sensor reading.5. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware.6. Added new Redfish features for downloading and uploading IPMI configuration.7. Added adaptive temperature threshold in SDR for drives connected to 3108.8. Enabled AC Power On Event log.9. Added Redfish memory information feature.10. Enabled update of 3108's firmware over BMC's Web page.11. 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".12. 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).13. Added support for TaskService feature during BMC and Broadcom storage controller update in Redfish.14. Added parameter (SkipCheckingME) for BIOS update in Redfish to skip ME checking.

	<ul style="list-style-type: none"> 15. Added support for Redfish SimpleUpdate for BMC and BIOS firmware. 16. Changed FirmwareInventory to SmcFirmwareInventory to prevent user confusion with Redfish standard definition. 17. Changed NodeManager to SmcNodeManager to prevent user confusion with Redfish standard definition. 18. Revert MAC address format to "xx:xx:xx:xx:xx:xx" for backward compatibility. 19. Added hardware component status in Redfish/WebGUI. 20. Added support for TaskService feature during BIOS update in Redfish. 21. Added support for Node Manager feature in Redfish. 22. Added new feature for GUID/BoardID in Redfish. 23. Added new feature for event data extension in Redfish. 24. Added OEM event Description and Severity in Redfish/WebGUI. 25. Added OEM Event Alert. 26. Provided Event Acknowledgment for the events with Warning/Critical severity level. 27. Added support for BMC Event Log in Redfish and renamed the function name from "System Event Log" to "BMC Event Log" in Web UI. 28. Clear all system event logs without generating any log and dumping all the system event logs. 29. Added Hynix memory support for BMC. 30. Added support for new Uboot code version. 31. Patched CVE-2019-6260 pantsdown.
Fixes	<ul style="list-style-type: none"> 1. Allow changing fan mode when in standard fan mode instead of PUE2 mode. 2. Allow system reboot after flashing BIOS in Web GUI. 3. Show correct power readings on "power consumption" page. 4. Remove IPMI SDR duplicate "AOC_NIC_Temp" readings when SIOM AOC-MTG-i4T is installed. 5. Report AC Power On Event log when BMC executes cold reboot. 6. Show M.2 NVMe temperature sensor in BIOS. 7. Allow updating 3108's firmware over BMC's Web page if Physical/Logical device is on the card. 8. Multi-language support on iKVM/HTML5 console help page. 9. Redfish no longer returns 200 when PATCH PowerLimit reaches over 32767. 10. Allow NVMe temperature sensor reading to decrease. 11. IPMI Web no longer shows system warning after updating firmware. 12. Allow IPMICFG and IPMITool to change IPMIIPv6 mode. 13. Added support for saving 3108 storage controller status event. 14. Added support for NIC/GPU Asset Information in Redfish. 15. AOC NIC threshold now adheres to thermal guideline. 16. Allow operator to clear event log and acknowledge in Redfish. 17. Redfish returns consistent codes (200, 500, 503) occurring from BMC using ApacheBench. 18. Corrected Broadcom 3108 storage controller with BBU (battery unit) installed on motherboard to generate one BBU de-assertion event upon every BMC system reboot. 19. Allow removing DNS server IPv6 address. 20. Correct NVMe eject and insert feature in Event log. 21. Remove incorrect message appearing on iKVM/HTML5 page when disabling iKVM port. 22. System no longer shows normal when the power fails. 23. Corrected update SSL certificate file failures. 24. Corrected IPMI SOL failures. 25. Corrected IPMI Web Date & Time Configuration failures.

	<p>26. System status now references PSU state when AC is lost.</p> <p>27. Sessions no longer times out after accessing system event log page and causing BMC boot loops.</p> <p>28. Fixed issue of "Save uncompleted" message appearing when changing time and saving on IPMI Web.</p> <p>29. DCMS license activation now shows consistent status.</p> <p>30. WebUI no longer disappears after selecting simplified Chinese language.</p> <p>31. Allow special characters !@#\$\$%^&* for default password.</p> <p>32. Corrected performance degradation & unavailable SEL event appearing after Broadcom 3108 firmware is updated.</p> <p>33. Corrected KVM and remote control failures after using SSH in SMASH with AD account.</p> <p>34. Improved Web UI formatting.</p> <p>35. Corrected the sensor Qty of BMC.</p> <p>36. Corrected Redfish FullList Allowed Operation.</p> <p>37. Improved controller health after multiple HDDs are pulled out simultaneously.</p>
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