

# IPMI Firmware

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<b>Product Name</b>	<b>X11SPM-F/TF/TPF</b>
<b>Release Version</b>	<b>1.59</b>
<b>Release Date</b>	<b>10/22/2018</b>
<b>Previous Version</b>	<b>1.50</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>1. 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 &amp; Web UI.</b>
<b>New features</b>	<b>1. 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). 2. Added support for TaskService feature during BMC and Broadcom storage controller update in Redfish. 3. Added parameter (SkipCheckingME) for BIOS update in Redfish to skip ME checking. 4. Added support for Redfish SimpleUpdate for BMC and BIOS firmware. 5. Changed NodeManager to SmcNodeManager to prevent user confusion with Redfish standard definition. 6. Revert MAC address format to "xx:xx:xx:xx:xx:xx" for backward compatibility. 7. Added support for NIC/GPU Asset Information on Redfish. 8. Added hardware component status in Redfish/WebGUI. 9. Added support for TaskService feature during BIOS update in Redfish. 10. Added support for Node Manager feature in Redfish. 11. Added new feature for GUID/BoardID in Redfish. 12. Added new feature for event data extension in Redfish.</b>

	<p><b>13. Added OEM event Description and Severity in Redfish/WebGUI.</b></p> <p><b>14. Provided Event Acknowledgment for the events with Warning/Critical severity level.</b></p> <p><b>15. Added support for BMC Event Log in Redfish and renamed the function name from "System Event Log" to "BMC Event Log" in Web UI.</b></p>
Fixes	<ol style="list-style-type: none"> <li><b>1. Allow updating 3108's firmware over BMC's Web page if physical/logical device is on the card.</b></li> <li><b>2. Multi-language support for iKVM/HTML5 console help page.</b></li> <li><b>3. Prevented situation where host boot loop would occur.</b></li> <li><b>4. Redfish no longer returns 200 when PATCH PowerLimit reaches over 32767.</b></li> <li><b>5. Allow NVMe temperature sensor readings to decrease.</b></li> <li><b>6. Prevent IPMI Web showing system warning after updating firmware.</b></li> <li><b>7. Allow IPMICFG and IPMITool to change IPMIIPv6 mode.</b></li> <li><b>8. Corrected OEM Event Alert.</b></li> <li><b>9. Return consistent codes (200, 500, 503) occurring from BMC using ApacheBench.</b></li> <li><b>10. Allow opening 4<sup>th</sup> iKVM session in Redfish.</b></li> <li><b>11. Allow removing DNS server IPv6 address.</b></li> <li><b>12. NVMe eject and insert feature in Event log.</b></li> <li><b>13. Remove incorrect message on iKVM/HTML5 page when disabling iKVM port.</b></li> <li><b>14. Correct AOC NIC sensor threshold display.</b></li> <li><b>15. System no longer shows normal when the power fails.</b></li> <li><b>16. Allow updating SSL certificate file.</b></li> </ol>

**Release Notes from Previous Release(s)**

**1.50 (4/25/2018)**

- 1. Revised Redfish firmware inventory (BIOS/BMC update).*
- 2. Revised Redfish "Actions" for clearing event log.*
- 3. Added adaptive temperature threshold in SDR for drives connected to 3108.*
- 4. Enabled AC Power On Event log.*
- 5. Set AC Power On Event log to be reported when BMC executes cold reboot.*
- 6. Added Redfish memory information feature.*
- 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 new Redfish firmware inventory (3108 storage controller) to update firmware.*
- 9. Added new Redfish features for downloading and uploading IPMI configuration.*
- 10. Changed UTC zone time by SMCIPMITool commands.*
- 11. Corrected power readings on "power consumption" page.*
- 12. Set AC Power On Event log to be reported when BMC executes cold reboot.*