

## IPMI Firmware

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<b>Product Name</b>	<b>X11DDW-L/NT</b>
<b>Release Version</b>	<b>1.59</b>
<b>Release Date</b>	<b>10/22/2018</b>
<b>Previous Version</b>	<b>1.55</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. Added support for onboard M.2. sensor reading. 2. 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 BMC Event Log in Redfish and renamed the function name from "System Event Log" to "BMC Event Log" in Web UI.</b>
<b>Fixes</b>	<b>1. Fixed problem of inconsistent return codes (200, 500, 503) occurring from BMC using ApacheBench. 2. Corrected Broadcom 3108 storage controller with BBU (battery unit) install on motherboard to generate one BBU de-assertion event upon every BMC system reboot. 3. Fixed inability to remove DNS server IPv6 address.</b>

	<ul style="list-style-type: none"><li>4. Fixed failure of NVMe eject and insert feature in Event log.</li><li>5. Fixed incorrect message appearing on iKVM/HTML5 page when disabling iKVM port.</li><li>6. Fixed problem of the system showing as normal when the power fails.</li><li>7. Fixed failure of timeout value for graceful shutdown feature.</li><li>8. Fixed failure to update SSL certificate file.</li></ul>
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**Release Notes from Previous Release(s)**

**1.55 (8/15/2018)**

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. Revised Redfish firmware inventory (BIOS/BMC update).
3. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware.
4. Added new Redfish features for downloading and uploading IPMI configuration.
5. Revised Redfish "Actions" for clearing event log.
6. Added adaptive temperature threshold in SDR for drives connected to 3108.
7. Enabled AC Power On Event log.
8. Added Redfish memory information feature.
9. Enabled update of 3108's firmware over BMC's Web page.
10. 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"`.
11. Added support for BBP2 feature.
12. Added Intel OTA feature to fix failure of SMC OOB TPM Provisioning via IPMI feature for customized provisioning table.
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.
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. Set the MAC address format to revert to "xx:xx:xx:xx:xx:xx" in order to prevent backward compatibility.
19. Added support for saving 3108 storage controller status event.
20. Fixed inconsistency in format of BMC MAC address.
21. Added support for NIC/GPU Asset Information on Redfish.
22. Added hardware component status in Redfish/WebGUI.
23. Added support for TaskService feature during BIOS update in Redfish.
24. Added support for Node Manager feature in Redfish.
25. Added new feature for GUID/BoardID in Redfish.
26. Added new feature for event data extension in Redfish.
27. Added OEM event Description and Severity in Redfish/WebGUI.
28. Provided Event Acknowledgment for the events with Warning/Critical severity level.
29. Added support for M.2 NVMe SSD temperature sensor for X11DDW platform.
30. Adjusted 12V threshold.
31. Fixed problem of the machine continuously resetting itself.
32. Fixed failure of Redfish API test.
33. Changed UTC zone time by SMCIPMITool commands.
34. Set AC Power On Event log to be reported when BMC executes cold reboot.
35. Fixed incorrect power readings on "power consumption" page.
36. Fixed problem of IPMI SDR showing two "AOC\_NIC\_Temp" readings when SIOM AOC-MTG-i4T is installed.
37. Fixed missing AOC card temperature when power first turned on by Intel(R) Xeon(R) Gold 6142F CPU at 2.60GHz.
38. Fixed inability to update 3108's firmware over BMC's Web page if Logical device is on the card.

39. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content and only supporting English.
40. Fixed problem of 200 being returned when PATCH PowerLimit reaches over 32767 in Redfish.
41. Fixed failure of NVMe temperature sensor reading to decrease.
42. Fixed problem of IPMI Web showing system warning after updating firmware to 1.54.
43. Fixed failure of Redfish automation test.
44. Fixed inability of IPMICFG and IPMITool to change IPMIIPv6 mode.
45. Fixed problem of ME firmware crashing when running SUM test.
46. Fixed OEM Event Alert.