

IPMI Firmware

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Product Name	X11QPH(+)
Release Version	1.61
Release Date	11/23/2018
Previous Version	1.46
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Migrated the IPMI Event Log to the URL "redfish/v1/Systems/1/LogServices" in Redfish and changed the name "Event Log" to "System Management Log" in Redfish and Web UI.2. Changed "System Event Log" to "BMC Event Log" in Web UI.3. Changed FirmwaveInventory to SmcFirmwaveInventory to prevent user confusing with Redfish standard definition.4. Changed NodeManager to SmcNodeManager to prevent user confusion with Redfish standard definition.5. Revert MAC address format to "xx:xx:xx:xx:xx:xx" for backward compatibility.6. Revised Redfish firmware inventory (BIOS/BMC update).7. Revised Redfish "Actions" for clearing event log.8. Changed UTC zone time by SMCIPMITool commands.9. Allow 3108 firmware update over BMC's web page.10. Changed the naming for "Health Event Log" and "Maintenance Event Log" in Web UI.
New features	<ol style="list-style-type: none">1. Added support for BMC Event Log in Redfish.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 in BMC and BIOS firmware.
5. Added support for saving 3108 storage controller status events.
6. Added support for NIC/GPU Asset Information on Redfish.
7. Added hardware component status in Redfish/WebGUI.
8. Added support for TaskService feature during BIOS update in Redfish.
9. Added support for Node Manager feature in Redfish.
10. Added new feature for GUID/BoardID in Redfish.
11. Added new feature for event data extension in Redfish.
12. Added OEM event Description and Severity in Redfish/WebGUI.
13. Provided Event Acknowledgment for the events with Warning/Critical severity level.
14. 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).
15. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware.
16. Added new Redfish features for downloading and uploading IPMI configuration.
17. Added adaptive temperature threshold in SDR for drives connected to 3108.
18. Enabled AC Power On Event log.
19. Added Redfish memory information feature.
20. 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"`.
21. Enabled clearing all system event logs without generating any log and dumping all the system event logs.

Fixes	<ol style="list-style-type: none">1. Provide consistent return codes (200, 500, 503) being displayed from the BMC when using ApacheBench.2. Allow removing IPv6 DNS server.3. Corrected failure NVMe eject and insert feature in Event log.4. Removed incorrect message appearing on iKVM/HTML5 page when disabling iKVM port.5. Corrected AOC NIC sensor threshold display.6. System no longer shows normal when the power fails.7. Corrected failure of updating SSL certificate file.8. Redfish no longer returns 200 when PATCH PowerLimit reaches over 32767 in Redfish.9. Allow NVMe temperature sensor readings to decrease.10. IPMI Web no longer shows system warning after updating firmware.11. Allow IPMICFG and IPMITool to change IPMIIPv6 mode.12. Corrected OEM Event Alert.13. Allow updating 3108's firmware over BMC's Web page if physical/logical device is on the card.14. Multi-language support in iKVM/HTML5 help page.15. Corrected potential source of machine bootloop.16. Fixed AC Power On Event log to be reported when BMC executes cold reboot.17. Fixed failure of IPMI SOL.18. System status now references PSU state when AC is lost.19. Corrected Redfish causing a session to timeout after accessing the System Event Log page and caused the BMC to constantly reboot.20. AOC NIC Threshold now follows Thermal Guidelines.
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