

IPMI Firmware

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Product Name	X11DPU-X(LL)
Release Version	1.64
Release Date	1/16/2019
Previous Version	1.43
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Changed FirmwareInventory to SmcFirmwareInventory to prevent confusion with standard Redfish definition.2. Changed NodeManager to SmcNodeManager to prevent confusion with standard Redfish definition.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" and "Maintenance Event Log" in Web UI.7. 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.8. Updated the threshold of the AMD GPU (MI8/MI25).
New features	<ol style="list-style-type: none">1. Added support for TaskService feature during BMC and Broadcom storage controller update in Redfish.2 Added parameter (SkipCheckingME) for BIOS update in Redfish to skip ME checking.3. Added support for Redfish SimpleUpdate for BMC and BIOS firmware.4. Revert MAC address format to "xx:xx:xx:xx:xx:xx" for backward compatibility.

	<ul style="list-style-type: none"> 5. Added support for saving 3108 storage controller status event. 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 Alert. 13. Added OEM event Description and Severity in Redfish/WebGUI. 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. Enabled update of 3108's firmware over BMC's Web page. 21. 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". 22. Enabled clearing all system event logs without generating any log and dumping all the system event logs. 23. 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). 24. Added support for the feature of riser with multi-chip. 25. Added BMC support for Hynix memory. 26. Added support for new Uboot code version.
Fixes	<ul style="list-style-type: none"> 1. Allow removing DNS server IPv6 address. 2. Removed incorrect message appearing on iKVM/HTML5 page when disabling iKVM port. 3. Display correct AOC NIC sensor threshold. 4. Improve FAN header reporting. 5. System no longer shows normal when the power fails. 6. Improve NVME_SSD Temperature reporting. 7. Redfish no longer returns 200 when PATCH PowerLimit reaches over 32767.

	<ul style="list-style-type: none">8. Allow NVMe temperature sensor readings to decrease.9. IPMI Web no longer showing system warning after updating firmware.10. Allow IPMICFG and IPMITool to change IPMIIPv6 mode.11. Improve BIOS version/date reporting on the BMC BIOS update page.12. Allow updating 3108's firmware over BMC's Web page if Physical/Logical HDD device is on the card.13. Multi-language support on iKVM/HTML5 console help page.14. Removed boot loop situation.15. Set AC Power On Event log to be reported when BMC executes cold reboot.16. Show correct power readings on "power consumption" page.17. Corrected IPMI SOL failures.18. Corrected IPMI Web Date & Time Configuration failures.19. System status now references PSU state when AC is lost.20. Corrected issue where Redfish causes a session to timeout after accessing the System Event Log page and BMC to boot loop.21. AOC NIC threshold now adheres to thermal guideline.22. Corrected Broadcom 3108 storage controller with BBU (battery unit) install on motherboard to generate one BBU de-assertion event upon every BMC system reboot.23. Allow detecting MI25 GPUs.24. Corrected IPMI Web Date & Time Configuration failures.25. DCMS license activation now shows consistent status.26. WebUI no longer disappears after selecting simplified Chinese language.
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