

IPMI Firmware Release Notes

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Product Name	X11SPM-(T)F/TPF
Release Version	1.74.13
Build Date	8/2/2023
Previous Version	1.74.11
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	None
New features	None
Fixes	1. IPMI configuration backup file remote command execution. 2. Security Fixes: CVE-2023-40287, CVE-2023-40288, CVE-2023-40286, and CVE-2023-33413.

1.74.11 (10/27/2022)

1. Optimized execution time on VRM utility.
2. Blocked I2C master w/r command for VRM channel (channel 1).
3. Enabled support for 39xx, 38xx storage card sensor reading.
4. Enabled support for Realtek PHY RTL8211FD-VX-CG driver.
5. Fixed nonfunctional Virtual Media on HTML5 iKVM console.
6. Enabled VRM utilities on X11QPH+ when battery is installed.
7. Fixed disconnecting problems when switching from 1G switch to 100M switch.

1.73.14 (11/9/2021)

1. Enabled SNMP alerts to show up in "Trap Receiver."
2. Enabled AOC_NIC_TEMP IPMI sensor during AC on/off test.
3. Added support for PLDM sensor reading on AOC NIC cards.
4. Implemented security fixes.
5. Removed ability to SSH using weak MAC algorithms.
6. Fixed multiple XSS on jQuery versions between 1.2 and 3.5.0.
7. Enabled saving domain name on AD page.
8. Enabled FW to show PSU sensor reading under web GUI.
9. Enabled deleting AD group from web.
10. Created a workaround to fix one SIOM card associated with two AOC NIC temperature reading.

1.71.20 (5/7/2020)

1. Fixed problem of BMC issuing multiple alerts when hard drive fails.
2. Fixed missing AOC_M2_temp sensor reading from standard IPMI firmware for M.2 NVMe installed on "AOC-SLG3-2M2".

1.71.17 (12/30/2019)

1. Implemented security fix.

1.71.11 (10/25/2019)

1. Added BMC firmware solution to program and store unique pre-programmed password.
2. Fixed inconsistent behavior for factory function.
3. Corrected message for Delete User Without Selecting Slot.
4. Fixed ability to clear unique password using raw command 0x30 0x74 0x2.
5. Fixed ability to remove unique password set bit by IPMITool raw command.
6. Corrected response 204 when posting factory default with invalid option value on Redfish and response 503 when posting factory default with empty body on Redfish.
7. Fixed failure of Java KVM to block Virtual Media section and show warning message when virtual media port is disabled.
8. Fixed missing new load factory default options for IPMICFG/SMCIPMITool/Redfish for IPMI firmware 1.71.7.
9. Corrected verification of the concatenate string of unique password.

1.71.6 (8/30/2019)

1. Added support for third number (build version) of IPMI firmware version.
2. Added BMC Account Security.
3. Added modification for event severity.
4. Enabled sending all event logs (Health & Maintenance) to Syslog server.
5. Added UefiPxe to Redfish System boot order.
6. Added support for DCPMM (AEP DIMM) sensor reading.
7. Fixed problem of IPMI WebGUI system status showing as critical after CPU overheat de-assertion.
8. Fixed problem of SEL showing error message after AOC-S3108 updates firmware.
9. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.
10. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength.
11. Fixed incorrect KEYPAD * and + key maps via IPMI iKVM console and KEYPAD on physical keyboard.
12. Fixed problem of IKVM/HTML5 being disabled.
13. Fixed issue with IPMI web formatting for system.
14. Fixed failure of STAC Redfish automation test and inability to access Redfish with RADIUS session after factory default.
15. Fixed problem of IPMI RADIUS authentication client returning Localhost IP In NAS-IP-Address/, malfunction of IPMI RADIUS authentication if authentication is delayed for over 3 seconds, and problem of IPMI RADIUS authentication violating attribute 26 specification.
16. Fixed failure of DPCMM sensor reading and corrected DPCMM thermal curve.
17. Fixed incompatibility of IPMI after update.
18. Fixed missing leading zero in minor version of /Managers/1/ FirmwareVersion.
19. Fixed issue with WebUI formatting.
20. Corrected the sensor quantity of BMC.
21. Fixed mismatch of Redfish FullList Allowed Operation.
22. Fixed problem of false reports from 10 HDDs pulled at the same exact second being reported as degraded controller.
23. Fixed failure to preserve the BMC configuration from release version to new version.
24. Added security fix on SSH-CLP.

1.68 (3/22/2019)

1. Enabled clearing all system event logs without generating any log and dumping all the system event logs.
2. Changed the naming for "Health Event Log" and "Maintenance Event Log" in Web UI.
3. Added patch for CVE-2019-6260 pantsdown.
4. Added support for new Uboot code version.
5. Fixed failure of IPMI SOL.
6. Fixed multiple Web UI formatting issues.
7. Fixed malfunction of IPMI Web Date & Time Configuration.
8. Fixed issue of the system status not referencing PSU state when AC is lost.
9. Fixed problems of the sessions timing out after accessing system event log page and of BMC continuously rebooting.
10. Fixed inability of AOC NIC Threshold to follow Thermal Guidelines.
11. Fixed failure of Redfish Automation test, SATC test, and Redfish automation tool check. Fixed ability of Operator to clear Event Log and Acknowledge in Redfish.

12. Fixed issue of "Save uncompleted" message appearing when changing and saving time on IPMI Web.
13. Fixed problem of WebUI disappearing after selecting simplified Chinese language.
14. Fixed problem of DCMS license activation showing inconsistent results between IPMI firmware 1.52 and 1.61.
15. Fixed inability of BMC to obtain chassis information.
16. Fixed issue of changed default passwords to not work remotely if they contain !@#\$%^&*.
17. Fixed malfunction of KVM and remote control after using SSH in SMASH with AD account.
18. Fixed problem of degraded & unavailable SEL event appearing after Broadcom 3108 firmware is updated.

1.59 (10/22/2018)

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 & Web UI.
2. 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).
3. Added support for TaskService feature during BMC and Broadcom storage controller update in Redfish.
4. Added parameter (SkipCheckingME) for BIOS update in Redfish to skip ME checking.
5. Added support for Redfish SimpleUpdate for BMC and BIOS firmware.
6. Changed NodeManager to SmcNodeManager to prevent user confusion with Redfish standard definition.
7. Set the MAC address format to revert to "xx:xx:xx:xx:xx:xx" in order to prevent backward compatibility.
8. Added support for NIC/GPU Asset Information on Redfish.
9. Added hardware component status in Redfish/WebGUI.
10. Added support for TaskService feature during BIOS update in Redfish.
11. Added support for Node Manager feature in Redfish.
12. Added new feature for GUID/BoardID in Redfish.
13. Added new feature for event data extension in Redfish.
14. Added event Description and Severity in Redfish/WebGUI.
15. Provided Event Acknowledgment for the events with Warning/Critical severity level.
16. Added support for BMC Event Log in Redfish and renamed the function name from "System Event Log" to "BMC Event Log" in Web UI.
17. Fixed inability to update 3108's firmware over BMC's Web page if physical/logical device is on the card.
18. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content and only supporting English.
19. Fixed problem of the machine continuously resetting itself.
20. Fixed problem of 200 being returned when PATCH PowerLimit reaches over 32767 in Redfish.
21. Fixed failure of NVMe temperature sensor reading to decrease.
22. Fixed problem of IPMI Web showing system warning after updating firmware to 1.54.
23. Fixed problem of ME firmware crashing when running SUM test.
24. Fixed inability of IPMICFG and IPMITool to change IPMIIPv6 mode.
25. Fixed OEM Event Alert.
26. Fixed problem of inconsistent return codes (200, 500, 503) occurring from BMC using ApacheBench.
27. Fixed inability to open the 4th IKVM session in Redfish.

- 28. Fixed inability to remove DNS server IPv6 address.
- 29. Fixed problem of NVMe eject and insert feature in Event log not responding.
- 30. Fixed incorrect message appearing on iKVM/HTML5 page when disabling IKVM port.
- 31. Fixed problem with AOC NIC sensor threshold display.
- 32. Fixed problem of the system showing as normal when the power fails.
- 33. Fixed failure to update SSL certificate file.

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 SMCIIPMItool commands.
- 11. Fixed incorrect power readings on "power consumption" page.
- 12. Set AC Power On Event log to be reported when BMC executes cold reboot.
- 13. Fixed failure of Redfish API test.

Product Manager

Date