IPMI Firmware Release Notes

Product Name	**X11SPG-TF**
Release Version	**1.73.06**
Build Date	**11/20/2020**
Previous Version	**1.71.20**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Changed Storage WebUI.** **2. Added NVIDIA GPU monitoring and Network page info on UI.** **3. Added support for device auto-discovery within a rack for RSD.** **4. Added support for Redfish 1.8 API.** **5. Added support for HTML5 VM, BMC UI, and Redfish system component health status, and changed remote console UI.** **6. Added support for IPv4 and IPv6 stack selection.** **7. Added support for BMC KCS interface security solution.** **8. Added support for WebUI button requirements.** **9. Added support for AOC NVMe M.2 sensor reading.** **10. Added support for IPv6 and FQDN address configuration.** **11. Added support for SNMPv3 Trap and new MIBs feature.**
New features	**1. Added support for HII in Redfish.**

Fixes	1. Corrected error message from 'User name must be 4~16 characters.' to 'User name must be 4~15 characters.' 2. Corrected typo in SSL Certification confirm window. 3. Fixed problem of user being permanently locked out after exceeding lockout times by SMCIPMITool. 4. Fixed failure of Redfish automated test. 5. Fixed failure to set LDAP Server Address through SMCIPMITool. 6. Fixed failure of SUM 2.5.0 (2020/04/17) to execute Get GpuInfo command function. 7. Fixed malfunction of fan control with AOCM2. 8. Fixed failure of Linux OS to reboot due to BMC firmware. 9. Fixed failure of IPMI ECO Automation caused by KCS error. 10. Fixed problems of IPMI displaying the same location for two AOCs at different bus numbers, the "Model:" item reporting "UNKNOWN 0x00000000" in the controller information table, the "Manufacturer:" item displaying "Illegal Vendor ID" for the controller information, vendor information displaying incorrectly for HDD SATA drive at Physical Drive View, and Device 0 and Device 1 both displaying at slot 2. 11. Fixed failure of installed NVMe SSDs to display in latest IPMI firmware Rev. 1.73.01 (3/16). 12. Fixed failure of OOB BIOS update function via SUM 2.5.0. 13. Fixed missing event log for yellow icon in System Health. 14. Fixed problem of the Storage Monitoring page appearing without storage card present. 15. Fixed failure of IPMI ECO Robot test. 16. Corrected license for HTML5 VM. 17. Fixed inconsistency between X11 and X10 firmware for long hostname string. 18. Fixed failure of SUM test.

	19. Fixed problem of SMASH only taking up to 403 characters before disconnecting. **20. Fixed missing IPMI sensor during AC on/off test.** **21. Fixed hardware information.**

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. Added support for RTX 6000 & RTX 8000 passive GPU.
2. Implemented security fix.

1.71.11 (10/25/2019)

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 X11SPG-TF M.2 sensor.
7. Added support for DCPMM (AEP DIMM) sensor reading.
8. Added BMC firmware solution to program and store unique pre-programmed password.
9. Fixed problem of SEL showing error message after AOC-S3108 updates firmware.
10. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.
11. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength.
12. Fixed incorrect KEYPAD * and + key maps via IPMI iKVM console and KEYPAD on physical keyboard.
13. Fixed problem of IKVM/HTML5 being disabled.
14. Fixed issue with IPMI web formatting for system.
15. Fixed failure of STAC Redfish automation test and inability to access Redfish with RADIUS session after factory default.
16. 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.
17. Fixed failure of DPCMM sensor reading and corrected DPCMM thermal curve.
18. Fixed incompatibility of IPMI after update.
19. Fixed missing leading zero in minor version of /Managers/1/ FirmwareVersion.
20. Fixed problem of IPMI WebGUI system status showing as critical after CPU overheat de-assertion.
21. Fixed failure to preserve the BMC configuration from release version to new version.
22. Added security fix on SSH-CLP.
23. Fixed inconsistent behavior for factory function.
24. Corrected message for Delete User Without Selecting Slot.
25. Corrected verification of the concatenate string of unique password.
26. Fixed ability to clear unique password using raw command 0x30 0x74 0x2.
27. Fixed ability to remove unique password set bit by IPMITool raw command.
28. 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.
29. Fixed failure of Java KVM to block Virtual Media section and show warning message when virtual media port is disabled.

1.69 (4/10/2019)

1. Added support for T4 GPU sensor reading.
1. Fixed inability to read I2C temperature sensor of LSI 3108 for systems or to see storage monitoring WebGUI.
2. Fixed issue with WebUI formatting.
3. Corrected the sensor quantity of BMC.
4. Fixed mismatch of Redfish FullList Allowed Operation.
5. Fixed problem of false reports from 10 HDDs pulled at the same exact second being reported as degraded controller.

1.52 (5/3/2018)

1. Revised Redfish firmware inventory (BIOS/BMC update).
2. Revised Redfish "Actions" for clearing event log.
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. Added adaptive temperature threshold in SDR for drives connected to 3108.
6. Enabled AC Power On Event log.
7. Added Redfish memory information feature.
8. 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".
9. Fixed failure of Redfish API test.
10. Set AC Power On Event log to be reported when BMC executes cold reboot.
11. Changed UTC zone time by SMCIPMITool commands.
12. Enabled update of 3108's firmware over BMC's Web page.
13. Fixed incorrect power readings on "power consumption" page.