

IPMI Firmware Release Notes Form

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Product Name	X11SCM-(LN8)F
Release Version	1.74.13
Build Date	8/2/2023
Previous Version	1.74.09
Update Category	Critical
Dependencies	None
Important Notes	None
Enhancements	N/A
New features	N/A
Fixes	<ol style="list-style-type: none">1. Fixed IPMI configuration backup file remote command execution.2. Fixed security issues: CVE-2023-40286, CVE-2023-40287, and CVE-2023-40288

Release Notes from Previous Release(s)

1.74.09 (10/20/2022)

1. *Optimized execution time on VRM utility.*
2. *Fixed Virtual Media on HTML5 iKVM console when it is nonfunctional.*
3. *Fixed VRM utilities that can be used on X11QPH+ when the battery is installed.*
4. *Fixed disconnecting problems when switching from 1G to 100M.*

1.74.06 (8/28/2022)

1. *Removed ability to use i2c master read/write command for the VRM channel.*
2. *Added support for 39xx and 38xx card sensor reading.*
3. *Added support for AOC PLDM sensor reading.*
4. *Added support for Realtek PHY driver.*
5. *Added AOC NIC temperature sensor reading for AC on/off test.*
6. *Updated Storage UI features.*
7. *Updated NVIDIA GPU monitoring and network page information.*
8. *Updated Device Auto-Discovery within a rack for RSD support.*
9. *Added support for Redfish 1.8 API.*
10. *Updated from version 1.74.01 to version 1.74.02.*
11. *Fixed the following issues:*
 - a. *Creation of anonymous account.*
 - b. *Buffer overflow in ipmi_lan ASF protocol.*
 - c. *Resolv.conf not being deleted.*
12. *Removed ability to SSH using weak MAC algorithms.*
13. *Fixed multiple XSS on jQuery versions between 1.2 and 3.5.0.*
14. *Enabled saving domain name on AD page.*
15. *Fixed the firmware does not showing PSU sensor reading in one of the webGUI fields.*
16. *Fixed the ability to delete AD group from the webGUI.*
17. *Fixed one SIOM card showing two AOCNIC temperature.*
18. *Fixed the SNMP not showing the Fan Fail alert.*
19. *Fixed sensor reading after AC on/off test.*
20. *Fixed the hardware information in the webGUI.*
21. *Fixed the default SSDP setting to Enabled.*
22. *Enabled setting the user name to more than 16 characters.*
23. *Fixed the typo in the SSL certification confirmation window.*
24. *Allowed user to login even after three failed login attempts via smcipmitool.*
25. *Fixed test case failure on Redfish automation tests.*
26. *Enabled setting LDAP server address through smcipmitool.*
27. *Enabled Fan Control to work on AOCM2.*
28. *Fixed BMC firmware causing Linux OS to reboot.*
29. *Fixed IPMI ECO automation failure.*
30. *Fixed the following issues:*
 - a. *IPMI display the same location in slot 2 for two AOCs at different bus numbers.*
 - b. *The information in the controller table showing UNKNOWN for the model number.*
 - c. *The information in the controller table showing Illegal Vendor ID for the manufacturer name.*
 - d. *Vendor information not displaying correctly for the controller information.*
 - e. *Device 0 and Device 1 displaying at the same location in slot 2.*
31. *Fixed the NVMe SSDs information displayed in the Storage tab in the webGUI.*
32. *Fixed OOB BIOS update failed using SUM 2.5.0.*
33. *Fixed the component health on the right top of the IPMI webGUI from yellow to green.*

34. Fixed the Storage Monitoring page showing up even if there is no storage card.
35. Fixed IPMI ECO automation test failure.
36. Fixed ability to enable DCMS license after enabling OOB license.
37. Fixed the format of very long hostnames in the firmware.
38. Fixed SUM test failure.

1.23.06 (9/30/2020)

1. Patched files for dropbear-2019.78 and updated the Dropbear SSH to the latest version (2019.78).
2. Corrected error message from 'User name must be 4~16 characters.' To 'User name must be 4~15 characters.'
3. Corrected typo in SSL Certification confirm window.
4. Fixed problem of user being permanently locked out after exceeding lockout times by SMCIPMITool.
5. Fixed problem of BMC issuing multiple alerts when hard drive fails.
6. Fixed problem of nonfunctional "Virtual Media" tab displaying on iKVM/HTML5.
7. Fixed failure of OOB flash of BIOS from ECO to OEM BIOS, failure of BIOS to pass the secure validation, and inability to apply "LC019_X11DPFR_2U_20200804.v1.rom_Signed".

1.23.04 (11/15/2019)

1. Corrected verification of the concatenate string of unique password.
2. Fixed ability to clear unique password using raw command 0x30 0x74 0x2.
3. Fixed ability to remove unique password set bit by IPMITool raw command.
4. 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.
5. Fixed failure of Java KVM to block Virtual Media section and show warning message when virtual media port is disabled.
6. Fixed missing new load factory default options for IPMICFG/SMCIPMITool/Redfish for IPMI firmware 1.71.7.
7. Fixed inconsistent behavior for factory function with firmware 1.71.7.
8. Corrected message for Delete User Without Selecting Slot.

1.23.2 (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. Fixed problem of SEL showing error message after AOC-S3108 updates firmware.
7. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.
8. Fixed issue with IPMI web formatting for system.
9. Fixed failure of STAC Redfish automation test and inability to access Redfish with RADIUS session after factory default.
10. 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.

- 11. Fixed incorrect KEYPAD * and + key maps via IPMI iKVM console and KEYPAD on physical keyboard.*
- 12. Fixed failure of DPCMM sensor reading and corrected DPCMM thermal curve.*
- 13. Fixed incompatibility of IPMI after update.*
- 14. Fixed failure to preserve the BMC configuration from release version to new version.*
- 15. Fixed problem of IPMI WebGUI system status showing as critical after CPU overheat de-assertion.*

1.22 (5/13/2019)

- 1. Added patch for CVE-2019-6260 pantsdown.*
- 2. Fixed malfunction of KVM and remote control after using SSH in SMASH with AD account.*
- 3. Corrected the naming and threshold of M.2 NVMe SSD.*
- 4. Fixed grammar error on the Alert page.*