

IPMI Firmware Release Notes Form

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Product Name	X11SCH-(LN4)F
Release Version	1.74.13
Build Date	8/2/2023
Previous Version	1.74.09
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	None
New features	N/A
Fixes	1. IPMI configuration backup file remote command execution. 2. Fixed security issues: CVE-2023-40286, CVE-2023-40287, and CVE-2023-40288

1.74.09 (10/20/2022)

1. *Optimized the execution time of the VRM utility.*
2. *The virtual media on the HTML5 iKVM console is inoperable.*
3. *When a battery is installed, VRM utilities can be used on the X11QPH+.*
4. *When switching from a 1G switch to a 100M switch, there are disconnections.*

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 Realtek PHY driver.*
4. *Updated from version 1.74.01 to version 1.74.02.*
5. *Fixed the following issues:*
6. *Creation of anonymous account.*
7. *Buffer overflow in ipmi_lan ASF protocol.*
8. *Resolv.conf not being deleted.*
9. *Removed ability to SSH using weak MAC algorithms.*
10. *Fixed multiple XSS on jQuery versions between 1.2 and 3.5.0.*
11. *Enabled saving domain name on AD page.*

01.73.12 (5/10/2021)

1. *Added support for PLDM sensor reading at AOC NIC cards.*
2. *Added AOC_NIC_Temp IPMI sensor during AC on/off test.*
3. *Added NVIDIA GPU monitoring and network page info on UI.*
4. *Added device auto-discovery within a rack for RSD support.*
5. *Added support for Redfish 1.8 API.*
6. *Added BMC FW Q1 2019 features to the storage WebUI.*
7. *Fixed issue of FW not showing PSU sensor reading under WebGUI Copy Project Issue Link IPMI.*
8. *Fixed issue of failure to delete AD group from web Copy Project Issue Link.*
9. *Resolved one SIOM card with two AOCNIC Temp issue.*
10. *Fixed issue of alert not showing up in 'Trap Receiver'.*
11. *Fixed issue of IPMI sensor missing during AC on/off test.*
12. *Fixed issue getting HW information (WebGUI).*
13. *Disabled the Multicast option on Web and Redfish and changed SSDP default setting to enabled.*
14. *Fixed inability to set username to the maximum of 16 characters.*
15. *Fixed typo in SSL Certification confirmation window.*
16. *Fixed issue of users being permanently locked out by SMCIPMI tool and after exceeding lockout time.*
17. *Fixed Redfish automation failures.*
18. *Fixed issue of failing to set LDAP server address through SMCIPMI tool.*
19. *Fixed bug where fan control cannot work for AOCM2.*
20. *Fixed issue where BMC FW causes a failure when rebooting in Linux OS.*
21. *Fixed issue of IPMI ECO Automation test failing.*
22. *Fixed IPMI displayed the same location slot 2 for two AOCs with the different bus numbers, incorrect model item reported in the controller information table, the "Manufacturer:" item being displayed as "Illegal Vendor ID" for the controller information, vendor information not displayed*

correctly for HDD SATA drive at Physical Drive View, and Device 0 and Device 1 being displayed in the same slot 2 location.

- 23. Fixed issue of installed NVMe SSDs not being displayed in latest IPMI FW revision.*
- 24. Fixed OOB BIOS update function failure via SUM 2.5.0.*
- 25. Fixed issue of Storage Monitoring page always being displayed even when no storage card is present.*
- 26. Fixed issue of IPMI ECO automation test failure and IPMI ECO Robot test failure.*
- 27. Fixed wrong license for HTML 5 VM.*
- 28. Fixed inconsistency in long hostname strings between X10 and X11 motherboards.*

1.23.07 (11/13/2020)

- 1. Patched files for dropbear-2019.78 and updated the Dropbear SSH to the latest version (2019.78).*
- 2. Changed way to get CPU temperature and Tj. Max from ME.*
- 3. Pulled GPIOF4 to high impedance.*
- 4. Corrected error message from 'User name must be 4~16 characters.' to 'User name must be 4~15 characters.'*
- 5. Corrected typo in SSL Certification confirm window.*
- 6. Fixed problem of user being permanently locked out after exceeding lockout times by SMCIPMITool.*
- 7. Fixed problem of BMC issuing multiple alerts when hard drive fails.*
- 8. 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 failure to preserve the BMC configuration from release version to new version.*
- 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. Fixed issue with IPMI web formatting for system.*

- 11. Fixed failure of STAC Redfish automation test and inability to access Redfish with RADIUS session after factory default.*
- 12. 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.*
- 13. Fixed incorrect KEYPAD * and + key maps via IPMI iKVM console and KEYPAD on physical keyboard.*
- 14. Fixed incompatibility of IPMI after update.*

1.22 (5/13/2019)

- 1. Fixed grammar error on the Alert page.*