IPMI Firmware Release Notes Form

Product Name	**X11SCL-IF**
Release Version	**1.74.13**
Build Date	**8/2/2023**
Previous Version	**1.74.06**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**None**
New features	**None**
Fixes	1. **IPMI configuration backup file remote command execution.** 2. **CVE-2023-40288, CVE-2023-40286 and CVE-2023-40287.** 3. **Modified Network page will cause "IPV6 DNS server 10.2.1.225 was deleted unsuccessfully" occurred.**

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. Fixed failed SUMECO test case 374.
5. Fixed the following issues:
   a) Creation of anonymous account.
   b) Buffer overflow in ipmi_lan ASF protocol.
   c) Resolv.conf not being deleted.
6. Removed ability to SSH using weak MAC Algorithms Enabled.
7. Fixed multiple XSS on jQuery versions between 1.2 and 3.5.0.
8. Enabled saving domain name on AD page.

1.73.12 (5/31/2021)

1. Added support for PLDM sensor reading on add-on NIC cards.
2. Restored missing "AOC_NIC_Temp" IPMI sensor during AC on/off test.
3. Changed Storage WebUI.
4. Added support for monitoring NVIDIA GPU cards and network AOC info on BMC UI.
5. Added support for device auto-discovery within a rack for RSD.
6. Added support for Redfish 1.8 API.
7. Fixed failure of 01.73.09 firmware to show PSU sensor reading under WebGUI.
8. Fixed failure to delete AD group from web.
9. Fixed issue of two AOCNIC temperatures showing for one SIOM card.
10. Fixed failure of failed alert to appear in 'Trap Receiver' and malfunction of SNMP alert.
11. Fixed missing "AOC_NIC_Temp" IPMI sensor during AC on/off test.
12. Fixed hardware information.
13. Disabled Multicast function and changed default SSDP setting to enabled.
14. Corrected error message from 'User name must be 4~16 characters.' to 'User name must be 4~15 characters.'
15. Corrected typo in SSL Certification confirm window.
16. Fixed problem of user being permanently locked out after exceeding lockout times by SMCIPMITool.
17. Fixed failure of Redfish automated test.
18. Fixed failure to set LDAP Server Address through SMCIPMITool.
19. Fixed malfunction of fan control with AOCM2.
20. Fixed failure of Linux OS to reboot due to BMC firmware.
21. Fixed failure of IPMI ECO Automation caused by KCS error.
22. 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.

23. *Fixed failure of installed NVMe SSDs to display in latest IPMI firmware Rev. 1.73.01 (3/16).*
24. *Fixed failure of OOB BIOS update function via SUM 2.5.0.*
25. *Fixed missing event log for yellow icon in System Health.*
26. *Fixed problem of the Storage Monitoring page appearing without storage card present.*
27. *Fixed failure of IPMI ECO Robot test.*
28. *Corrected license for HTML5 VM.*
29. *Fixed inconsistency between X11 and X10 firmware for long hostname string.*
30. *Fixed failure of SUM test.*

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 incompatibility of IPMI after update.*
13. *Fixed failure to preserve the BMC configuration from release version to new version.*
14. *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. *Fixed issue of the system showing a very long load time when the BIOS update starts without any messages on the IE browser.*
4. *Fixed grammar error on the Alert page.*