

# IPMI Firmware Release Notes Form

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<b>Product Name</b>	<b>X11SCL-LN4F</b>
<b>Release Version</b>	<b>1.74.09</b>
<b>Build Date</b>	<b>10/20/2022</b>
<b>Previous Version</b>	<b>1.74.06</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>1. Optimized the execution time of the VRM utility.</b>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<b>Fixed the following issues:</b>  <b>1. The virtual media on the HTML5 iKVM console is inoperable.</b> <b>2. When a battery is installed, VRM utilities can be used on the X11QPH+.</b> <b>3. When switching from a 1G switch to a 100M switch, there are disconnections.</b>

**Release Notes from Previous Release(s)**

**01.74.06 (8/28/2022)**

1. Blocked I2C master w/r command for VRM channel (channel 1).
2. 1.74.01 is now obsolete.
3. Added support for 39xx, 38xx storage card sensor reading.
4. Now supports the new Realtek PHY RTL8211FD-VX-CG driver.
5. Anonymous account or null value can be created on X11 and X12. Buffer overflow in ipmi\_lan ASF protocol. resolv.conf can't be deleted, it may cause a potentially DNS Hijacking.
6. Removed SSH weak MAC Algorithms Enabled.
7. Fixed jQuery 1.2 < 3.5.0 Multiple XSS, scripting vulnerability.
8. Fixed the inability to save valid domain name on AD page."

**01.73.12 (5/10/2021)**

1. Added AOC\_NIC\_Temp IPMI sensor during AC on/off test.
2. 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.
1. Fixed issue of FW not showing PSU sensor reading under WebGUI Copy Project Issue Link IPMI.
2. Fixed issue of failure to delete AD group from web Copy Project Issue Link.
3. Resolved one SIOM card with two AOCNIC Temp issue.
4. Fixed issue of alert not showing up in 'Trap Receiver'.
5. Fixed issue of IPMI sensor missing during AC on/off test.
6. Fixed issue getting HW information (WebGUI).
7. Disabled the Multicast option on Web and Redfish and changed SSDP default setting to enabled.
8. Fixed inability to set username to the maximum of 16 characters.
9. Fixed typo in SSL Certification confirmation window.
10. Fixed issue of users being permanently locked out by SMCIPMI tool and after exceeding lockout time.
11. Fixed Redfish automation failures.
12. Fixed issue of failing to set LDAP server address through SMCIPMI tool.
13. Fixed bug where fan control cannot work for AOCCM2.
14. Fixed issue where BMC FW causes a failure when rebooting in Linux OS.
15. Fixed issue of IPMI ECO Automation test failing.
16. 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.
17. Fixed issue of installed NVMe SSDs not being displayed in latest IPMI FW revision.
18. Fixed OOB BIOS update function failure via SUM 2.5.0.
19. Fixed issue of Storage Monitoring page always being displayed even when no storage card is present.
20. Fixed issue of IPMI ECO automation test failure and IPMI ECO Robot test failure.
21. Fixed wrong license for HTML 5 VM.
22. Fixed inconsistency in long hostname strings between X10 and X11 motherboards.
23. Added support for PLDM sensor reading at AOC NIC cards.

### **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 grammar error on the Alert page.*