

IPMI Firmware Release Notes

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Product Name	X11SSW-F
Release Version	4.07
Build Date	9/23/2023
Previous Version	4.04
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	None
New features	None
Fixes	<ol style="list-style-type: none">1. Security Fixes: CVE-2023-40287, CVE-2023-40288, CVE-2023-40286, and CVE-2023-33413.2. Implemented key obfuscation on X11SSW.3. Removed weak cipher algorithms.

4.04 (12/16/2022)

1. Return POST complete GPIO for command 0x30 0x68 0xE0 0x00.
2. Changed PSU Event Behavior to meet BMC_PSU_LAN_Plug_In_Out_Behavior_v1.3.docx.
3. VRM protection sync with SW team.
4. Added 30 68 e0 get/set post status and 30 68 f9 get service status cmd.
5. Fixed SATC Redfish Automation test fail.
6. VRM protection sync with SW team.
7. Refresh button will remount unmounted floppy disk.
8. ChangeBmcCfg and compare due to BMC driver input and output failure in FreeBSD12.
9. 56 sensors go missing during On/Off.
10. Failed to accept valid email address for Alert.
11. Incorrect pop-up message when saving invalid NTP Server. Active Directory server can be set with illegal User Domain Name and Domain Controller Server Address values.
12. Slot at 0,19,31 Temp Critical/Warning Assertion/De-assertion in IPMI Health Event Log under Windows Stress Test.
13. System alert always show red exclamation mark without any error in the Web GUI.
14. A lot failed in IPMIECO test due to DCMI power reading failure.
15. The Web GUI will show special character username's hex ASCII code after modifications.
16. SMT_X11IPMI_17628 Configuration mismatch.
17. Failed to get volume information via REDFISH volume API.
18. Failed to get volume information (MRVL) via REDFISH volume API.
19. SMT_X11IPMI_17625-- IPMI- Network Privilege changed to "No Access" when the user is deleted through the tool.
20. When the CD-ROM host uses the SMC IPMI Tool command input illegal word issue.
21. Deleting the SDR command can be done by the tool but it comes back after the BMC reboot.
22. X11DPL-i BMC web crash during the Web GUI BIOS upload stage.
23. The BMC System Health Icon is red when using the 3108 without the BBU.
24. Fixed the PCIe gen version in Redfish API.
25. Wording issue under Virtual Media Page on IPMI Web.
26. Floppy Upload function will accept any file that ends in .ima or .img without checking for size.
27. Fixed the SMC IPMI Tool when it can't enable the "ddns" and "smtp" functions.
28. Refresh Preview Image stops displaying from the Remote Console Preview window.
29. When the System Power Down PSU Status fails.

4.00 (12/24/2020)

1. Implemented workaround for gateway 0 issue.
2. Updated Jarsigner certificate.
3. Fixed failure to install OS when mounting large ISO image (over 5GB) through HTTP.
4. Synced severity and description of SW team SELs.
5. Set copyright to 2020.
6. Added CSRF prevention feature.
7. Added support for inband update of firmware event by OEM cmd 0x30 0xc4.
8. Fixed inability of Redfish to get permission via AD user while enabling AD via SSL setting.
9. Fixed problem of NVMe and RAIDIntrate status always showing as warning.
10. Fixed loss of FRU data after BMC upgrade.
11. Fixed some account service items.
12. Fixed problem of Redfish returning 500 on RAID mode when getting Disk.Bay.

13. Fixed failure of DCMI power reading.
14. Removed limitation to prevent IPv6 static router prefix length input of 0.
15. Fixed inability to apply HTTP/HTTPS port number after restoring IPMI.
16. Fixed problem of EC update page returning error 403.
17. Fixed occurrence of DCMI power reading 0.
18. Fixed inability of existing user to modify user name on web page.
19. Fixed malfunction of WebGUI display when hostname is too long.
20. Corrected health event log severity and description.
21. Fixed failure to remotely turn on/off UID.
22. Corrected status of share LAN shown by IPMI.
23. Fixed inability to save DDNS settings on web pages in Japanese/SC languages.
24. Fixed inability to run HTML5 after 3.76.01 update from 3.68 for X11.
25. Fixed problem of SSL Certificate update page turning to a white page or 500 internal server error.
26. Fixed problem of server certificate and private key clearing when user tries to update new SSL certificate and private key.
27. Fixed problem of SNMP losing some sensor information.
28. Fixed failure to update BIOS built in 2020.
29. Fixed failure to restore https port when restoring IPMI configuration.
30. Fixed mismatch of IPMI WebUI Fan Mode Help description.
31. Fixed failure of Redfish Automation test.
32. Fixed mismatch of the event of processor's severity and X11 BMC event spec.
33. Fixed problem of undefined alert occurring when opening iKVM/HTML5 after closing the port.
34. Fixed ability to modify CT with Notebook (OA) even though SMCIPMITool display is undefined on WebGUI.
35. Fixed mismatch of 'SUM' and 'ipmitool' on DCMS/OOB license.
36. Fixed problem of VM displaying after disabling VM port and then opening iKVM.
37. Fixed ability to add username with fewer than 4 characters.
38. Fixed failure of first attempt to select firmware to upload.
39. Fixed problem of system showing as normal when IPMI sensor fails.
40. Fixed problem of all IPMI sensor readings sometimes showing as "N/A".
41. Fixed failure of web session to time out.
42. Fixed problem of iKVM operating after user logout.

3.97 (7/29/2020)

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24. Fixed inability to apply HTTP/HTTPS port number after restoring IPMI.
25. Fixed problem of EC update page returning error 403.

3.91 (12/23/2019)

1. Blocked iKVM virtual storage if VM port is disabled.
2. Added display of all IPv4/IPv6 addresses on the sys_info page.
3. Added IPv6 Static Router.
4. Added KCM privileges.
5. Set IPv6 to disabled by default.
6. Added support for unique pre-programmed default password, form 299-00-190617-001.
7. Added VM Security patch.
8. Fixed failure of legacy power supply to respond to BMC.
9. Fixed enable/disable for Launch KVM button.
10. Fixed failure to mount CD-ROM image.
11. Fixed problem of upgrade to IPMI firmware 3.83 sometimes causing BMC to crash.
12. Fixed Web session timing out when logging into BMC with AD/BMC account.
13. Fixed failure of IPMI to create a new event when attempting to log in using incorrect credentials.
14. Fixed issue with display of long AD domain name.
15. Fixed failure of SMSTC test with SUM 2.3.0.
16. Fixed failure of SMSTC test with SMCIPMITool.
17. Fixed issue of AOC_NIC_Temp sensor not displaying a value.
18. Corrected behavior after updating BIOS through IPMI WebUI.
19. Fixed problem of Web BMC alert email limiting the number of words.
20. Followed Ultra system to adjust Health event log severity.
21. Fixed inability to launch JavaKVM through SMCIPMITool.
22. Fixed failure of SUM TC222 when running SUM TC212 and TC222 together.
23. Fixed loss of product key after updating BMC through Web/SUM.
24. Fixed problem of BMC continuously rebooting if the dedicated LAN disconnects while dedicated mode is selected.
25. Fixed issues with CD-ROM image and support for special characters in Config username.
26. Fixed problem with IPMI Web Virtual Media function and issue with using @ in the user/password of CD-ROM image ISO mount.
27. Set System troubleshooting to support download of Version.txt, Health event log, Maintenance event log, FRU, and SMBIOS information.
28. Fixed problem with CD-ROM image ISO mount with SUM.
29. Fixed failure of SUM test.

3.81 (4/26/2019)

1. *Set Redfish scheme to be case insensitive.*
2. *Corrected Redfish 500 error of being returned after stressing Redfish to request about 100 more times.*
3. *Updated copyright to 2014-2019.*
4. *Added support for AD/LDAP/RADIUS hostname.*
5. *Fixed failure to accept the special characters on the share host field.*
6. *Corrected fan curve for VRM and DIMM under standard mode.*
7. *Set license to activate when Mac changes and OOB source is enabled.*
8. *Added patch for CVE_2019_6260 pantsdown for security fix.*
9. *Fixed issue of random aux rev sometimes.*
10. *Fixed problem of IPMITool in-band and out-band hanging because of the special characters &~!@#\$%^*()_-=+{[]|\;:'<,>./ in username and password.*
11. *Fixed malfunction of top menu refresh link after AD configuration.*
12. *Fixed issue of no "Power Source" in IPMI Web GUI Server Health page in IPMI 3.74.*
13. *Fixed problem with title alignment adjustment on Web pages after firmware update.*
14. *Fixed problem of IPMI wrongly parsing PCIe correctable error to other description.*
15. *Fixed problem of Time Stamp displaying 1970/01/01 in Health Event Log during AC on/off test.*
16. *Added support for the UEFI PXE boot device via Redfish.*

3.73 (9/24/2018)

1. *Upgraded NTP to version 4.2.8p10 to fix security issue.*
2. *Changed 'event log' to 'health event log' and 'system event log' to 'maintenance event log'.*
3. *Set LDAP default IP address to show as 0.0.0.0.*
4. *Enabled AOC MAC address to show on system page without TAS.*
5. *Added save button to WebUI Server Health->Sensor reading page.*
6. *Added support for GetSetBMCStatus command for TAS.*
7. *Synced system MAC and AOC MAC to Redfish without TAS.*
8. *Set system event log to record most configuring operations.*
9. *Copied BM/BP/BS from FRU1 to FRU0 if they are empty.*
10. *Updated Redfish API to 3/16/2018.*
11. *Fixed incorrect power history record after AC cycle stress test.*
12. *Fixed problem of iKVM not working properly after iKVM reset.*
13. *Fixed inability of No Access User Network Privilege to be displayed on User page.*
14. *Fixed inability to erase hostname on network page.*
15. *Fixed problem of power history record page timing out due to abnormal power peak.*
16. *Fixed problem of the power supply FRU being empty in DMI after the AC is first powered on.*
17. *Fixed missing chassis intrusion status in IPMITool Chassis Status.*
18. *Fixed inability of iKVM reset to close iKVM console.*
19. *Fixed problem of IPMI not returning to login page automatically after reloading IPMI Configuration.*
20. *Fixed problem of AC cycle stress testing making BMC crash because of uncorrectable SMBIOS file.*
21. *Fixed problem of SMCIPMITool and WebGUI showing different values for PSU FAN RPM.*
22. *Fixed issue with port configure page value check.*
23. *Fixed failure of LAN configuration and power control after BMC VLAN is enabled and LAN mode is changed.*
24. *Fixed problem of user name allowing length of fewer than 4 characters.*
25. *Fixed problem of all KVM consoles being disconnected after launching the maximum of 4 sessions.*

26. Fixed missing alert, sensor error status, and blinking error LED when removing power supply.
27. Fixed AD/LDAP/RADIUS conflict.
28. Enabled setting all actions or at least 2 actions to the same hotkeys.
29. Fixed typo errors in BIOS Update page.
30. Fixed grammatical errors in language file of "Power Consumption".
31. Fixed problem of too many system event logs breaking BMC.
32. Fixed failure of SMCIPMITool "pminfo" command on firmware 3.68.
33. Fixed failure of Redfish Automation test.
34. Fixed inability to save and restore syslog configuration via maintenance->IPMI Configuration.
35. Prevented invalid IP format on IP Access Control page.
36. Removed clearing of license when clearing configuration.

3.64 (10/2/2017)

1. Hid unused power supply information on power source page.
2. Added support for new fan curve in Thermal Design Guide v4.06.
3. Added support for new Redfish API.
4. Add save button in event log page and system event log page.
5. Added auto refresh to sensor reading page.
6. Fixed Redfish auto test.
7. Fixed problem of BMC settings and FRU being lost if BMC updates from 3.16 to 3.55-3.59.
8. Fixed unusual behavior on SNMP page.
9. Fixed problem of the webpage showing "404-Not Found" when "here" is clicked on Firmware Upload page.
10. Fixed failure of Patch BitRate in Redfish.
11. Fixed failure of Patch the DateTime in Redfish.
12. Fixed inability of sensor alerts to be received by email or SNMP.
13. Fixed incorrect date and time in Maintenance System Event Log.
14. Fixed problem of UpdateBMC being done but progress not showing as 100%.
15. Fixed problem of too much margin on sensor reading page and event reading page on high resolution display.
16. Fixed abnormal display of syslog.