IPMI Release Notes Form

Product Name	X11SRM-(V)F
Release Version	1.74.00
Build Date	1/24/2022
Previous Version	1.31.04
Update Category	Critical
Dependencies	None
Important Notes	None
Enhancements	1. Support 39xx, 38xx storage card sensor reading. 2. Support PLDM sensor reading at AOC NIC cards.
New features	**The following new features have been added:** 1. Signed firmware will include the Coffee lake platform, Un-signed firmware will include the workstation platform. 2. Support for AMD MI100 GPU HBA temperature display if it is hotter than on-die temp. 3. BMC FW Q1 2019 features, NVIDIA GPU monitoring and Network page info on UI, Supermicro NVIDIA GPU support Feature Spec_1.1.docx, Network AOC info on BMC UI.msg 4. Device Auto-Discovery within a Rack for RSD Support. 5. Support for redfish 1.8 API.

	6. BMC FW Q1 2019 features, SMC HTML5 User Guide For PM, BMC UI Redfish System Component health status. 7. IPv4 IPv6 Stack Selection. 8. Added IPv4 IPv6 Information Under System. 9. BMC KCS Interface Security Solution, BMC KCS Interface Security Solution. 10. WebUI Button Requirements v1. 11. AOC NVMe M.2 Sensor Reading, AOC NVMe M.2 Sensor Reading. 12. SMC IPv6 and FQDN Address Configuration User Guide ForPM (1.2). 13. SNMP MIBs features_1.1.
Fixes	**The following issues have been fixed:** 1. Anonymous account or null value can be created on X11 and X12. 2. Buffer overflow in IPMI_LAN ASF protocol. 3. resolv.conf be reset, it may cause a potential DNS vulnerability. 4. Removed the item SSH weak MAC Algorithms (Enabled). 5. jQuery 1.2 < 3.5.0 Multiple XSS – cross scripting vulnerability. 6. Unable to save valid domain name on AD page. 7. FW does not show PSU sensor reading under web GUI. 8. Missing PSU/Power Information FW 1.73.09. 9. One SIOM card has two AOCNIC Temps. 10. BIOS is sending wrong full_smbios to IPMI (work around). 11. Hardware information is not correct. 12. Fixed bugs where Fan control can't work with AOCM2 13. OOB Bios update function failure via SUM 2.5.0. 14. Yellow Icon in the System Health No Event Log.

	15. The Storage Monitoring page always shows up even if no storage card is present.
	16. Wrong License for HTML5 VM.
	17. For long hostname string, there's different between X11 and X10 FW.
	18. [BIOS/IPMI ECO] sum test fail.
	19. SMASH only take up to 403 characters before disconnecting
	20. Unable to set user name at a maximum of 16 characters
	21. Error message 'User name must be 4~16 characters.' should be 'User name must be 4~15 characters.'
	22. SSL Certification confirm window has typo
	23. user permanently lock out after exceeded lockout times and by SMCIPMITOOL

1.31.04 (6/14/2021)

1. Fixed issue with add-on card thermal reading.
2. Fixed problem of IPMI maintaining upgrade status when flashing BIOS by SUM with parameter preserve_nv.
3. Corrected error message from 'User name must be 4~16 characters.' To 'User name must be 4~15 characters.'
4. Corrected typo in SSL Certification confirm window.
5. Fixed problem of user being permanently locked out after exceeding lockout times by SMCIPMITool.
6. Fixed failure of SUM 2.5.0 (2020/04/17) to execute GetGpuInfo command function.
7. Fixed failure of sum.2.5.0_042320 to execute GetGpuInfo.

1.31.03 (4/15/2020)

1. Enabled CSRF feature.

1.31.2 (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.

1.31.1 (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 failure to preserve the BMC configuration from release version to new version.
9. Fixed problem of IPMI WebGUI system status showing as critical after CPU overheat de-assertion.
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.

1.29 (3/22/2019)

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 problems of the sessions timing out after accessing system event log page and of BMC continuously rebooting.
4. Fixed the problem of inconsistent return codes (200, 500, 503) being displayed from the BMC when using ApacheBench.
5. Set default LDAP port to match WebGUI.
6. Fixed incorrect message appearing on iKVM/HTML5 page when disabling IKVM port.
7. Fixed inability to remove DNS server IPv6 address.

1.21 (6/22/2018)

1. Implemented workaround for X11SRM to change GPIOE3 to OpenDrain.
2. Fixed missing IPMI sensor after disabling "IPMI Extended Instruction".
3. Fixed missing default timeout value on Redfish when accessing Manager's ActiveDirectory.
4. Fixed inability to patch IP Access Enabled key with 500 Internal Error on Redfish.
5. Fixed missing "Thermal Trip" event in IPMI SEL.