# IPMI Release Notes

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| **Product Name** | **X12SPO-(NT)F** |
| **Release Version** | **01.03.08** |
| **Build Date** | **10/17/2023** |
| **Previous Version** | **01.01.35** |
| **Update Category** | **Recommended** |
| **Dependencies** | **None** |
| **Important Notes** | **None** |
| **Enhancements** | **None** |
| **New features** | **None** |
| **Fixes** | 1. **UID LED should be blinking but kept solid on when using the Web UI UID Control.**<br>2. **Fixed fan fail feature broken from 01.03.01 to 01.03.06.** |

### 01.01.35 (9/4/2023)

1. Syslog packet did not follow RFC3164 Copy Project Issue Link.
2. Modified Dedicated Link options: Add 1G Full and remove 10M Half/Full except X12STD-F and X12STE-F. X12STD-F Dedicated Link is fixed in Auto Negotiation. X12STE-F Dedicated Link is fixed in 1G Full.
3. Uploaded invalid Device 0 file help tips is overlapped when zoomed in to 125 percent with 14 inches and 175 percent and 200 percent with 22 inches.
4. Health status of task list is not complete when zoomed in from 75 percent to 200 percent.
5. DDNS upload invalid key help tips is overlapped when zooming to 200 percent.
6. NTP server error message will exceed the frame and overlap with the side bar when zoomed in from 100 percent.
7. MEL log Description did not quite match SNMPv3 Auth Protocol/Private Protocol.
8. Successfully deleting IPv6 DNS will always create a "IPV6 DNS server 0:0:0:0:0:0:0:0 was deleted unsuccessfully" entry in the Maintenance Event Log.
9. DDNS can send multiple requests simultaneously that cause switchers to get out of shape.
10. Radius packet did not follow RFC2865.
11. Global buffer read overflow at X13 and X12 redfish.
12. Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration fails to switch on once switched off.
13. Able to click blink or insert HDD button when in system lockdown mode. System Lockdown System Lockdown Storage Monitoring Physical View Eject / Insert button is not disabled.
14. It's a conflict checking rule on "Remote User" and "Remote Groups" while clicking on "Save" button in AD/LDAP.
15. Syslog packet did not follow RFC3164.
16. No pop-out error message when typing the wrong string at SNMPv2 Name field.
17. Disabled TLSv1.0 and TLSv1.1.
18. STD -- 20122 -- 01.13.08 -- Sensor naming did not match with sensor specification.
19. It should replace "RMCP Port" with "IPMI Port" information from help content.
20. Virtual Media Floppy Disk help page did not match with actual web page.
21. UI Dashboard BIOS Firmware Version shows as 1.4b when it should be 1.5.
22. Component Info: Expanded PSU Table Text Inconsistency.
23. SUM tool couldn't get BIOS build date, but web and SMC IPMI Tool showed correctly.
24. Failed to add valid Prefix length 128 for Static Route List.
25. No MEL log after configuring the Mouse Mode setting.
26. Sensor reading not match with SPEC.
27. Downgraded from BIOS 1.3 to BIOS 1.1. BIOS is shown correctly, but IPMI web still shows BIOS 1.3.
28. Support IPv6 enhancement spec. (Proposal for BIOS-BMC IPv6 inconsistency_V11.pptx)
29. BMC version is incorrect in the troubleshooting Log.
30. HDD info lines are not aligned at Physical View.
31. Redfish Hostname special characters support.
32. Downgraded from BIOS 1.5 to BIOS 1.1. BIOS is shown correctly, but IPMI web still shows BIOS 1.5.
33. Needed to define MEL-ID for "LLDP was configured to enabled/disabled successfully."

### 01.01.34 (11/5/2022)

1. webGUI clone BIOS GOLDEN.
2. i2cmap protection review.
3. The SUT behavior does not match with the error message content of the BMC host name.

## 01.01.31 (9/7/2022)

1. Exposed Link Retrain per port in the BIOS.
2. "M2SSD Temp" has an underline in the sensor that does not match the specification.
3. Avoid ME hang during the bios-cloning-GOLDEN operation.
4. The character limit for Active Directory Remote Group is too short.

## 01.01.23 (6/27/2022)

1. Fixed the mechanism for judging the network AOC health.
2. Fixed an inconsistent behavior between the BMC and the BIOS.
3. Fixed display error of event log.
4. Updated the help information according to specifications.
5. Fixed a query causing 500 Internal Server Error.
6. Improved BMC boot stability.
7. Fixed the power average usage reading value being higher than the max peak value under the Power Consumption tab.
8. Fixed the VROC RAID status showing OK.
9. Fixed KVM and Virtual Media Stress showing critical event logs.

## 01.01.17 (3/4/2022)

1. Support for the new group sensor design.
2. Better compatibility with redfish ATT, after applying the security patches.
3. Fixed Supermicro Update Manager inband feature.
4. There is a bug that allows creation and activation of a null user and password.
5. BMC crash and forceful restart caused by malicious data transmission.
6. Configurations in resolv.conf• file cannot be reset after BMC is restored to the factory default setting.
7. Issue with NTP, showing failed message after setting.
8. 0x42 error message on IPMI MEL doesn't match with "Kernel code segment (offset: ##) was compromised.
9. After MB cpld fwUP, if system is off, bmc will power_on the system.
10. Can't open JAVA iKVM under Windows Server OS.
11. Need to refactor FD related codes.
12. User should not be allowed to set the same username and password.
13. Config can't save SMTP sender.
14. webGUI "CPU Speed" info data source has been fixed from MaxSocketSupportedSpeed to OperatingSpeed.
15. Hide LAN1 MAC Address if it is 00:00:00:00:00:00
16. Disconnection message is not correct, when perfroming IPMI firmware update on web. (iKVM)
17. System with AST2600 has a hang issue when running DC on/off testing with Red hat 8.3, We find the eSPI will hang after system hang, Aspeed provide us to clear 0x1e6ee080 bit 30 to 0.
18. BMC should keep fan speed during fwUP, and during BMC reset.
19. Add option in BMC UI to create disabled user or edit user to disable.
20. Storage feature is broken in 01.01.10.
21. Specific strings could brute force the BMC directory.
22. IPMItool can set LAN mode out of range.
23. Grey out "Create Raid" icon if no more physical drives available to create new Raid volume.

24. Can't sync NTP server when BMC has IPv6 DNS.
25. Password is invalid if containing a backslash "\".
26. Cross scripting vulnerability with Redfish protocol (XSS attack at Notification Alert).
27. Support Preserve BIOS Boot Options Configuration when updating BIOS FW.
28. Set Max number of SEL up to 4096.
29. All Broadcom AOC controllers such as 3008, 3616, 38xx and 39xx are not discoverable.
30. Add SNMP user function text must have an asterisk * to inform that Auth Key and Private Key, are required items.
31. Language Change title string not translated.
32. Improve PSU initialization code, add delay and retries.
33. Create new user on web UI should not get error, even though the user ID is on No Access user list.
34. No GPU found on WEB BMC.
35. Mount failed pop up error message, and Event log are incorrect.
36. Mount *.img display wrong file type on Java iKVM Virtual Media
37. Update invalid FW will show MEL message when update BIOS and CPLD
38. Unspecified Event Log Assertion When AC ON
39.  JAVA plug-in should be support "IMA" image.
40. GPUs missing under GPU tab in IPMI Web GUI.

## 1.00.14 (07/27/2021)

1. Set BMC boot firmware flash to use 3byte mode.
2. Improved internal flow of BIOS update.
3. Improved compatibility with provisioning rot_checker script 2021Q2.
4. Modified Virtual CD-ROM help content.
5. Upgraded BIOS firmware and refactored the codes.
6. Changed location name on NIC page (AIOM->System Slot A#, PCIE-> System Slot #) to use location name from [Chassis/1/Thermal] so that when thermal name includes [AIOM], the location field shows [System Slot A#], when thermal name includes [AOC], the location field shows [System Slot #], and when thermal name includes [AOCUR_NIC], the location field shows [System Slot 0].
7. Fixed problem of system hanging and losing BMC connection after updating CPLD from WebGUI or SUM.
8. Fixed issue with RADIUS server address input.
9. Fixed ability to unmount floppy disk under system lockdown.
10. Fixed problem of error message appearing after modifying web port.
11. Fixed problem of the result of test case 255 displaying "stoi: no conversion."
12. Fixed mismatch between IPMI sensor GUI NIC ASIC naming and X12 temperature sensor guildline_1.0f.
13. Fixed WebGUI login after a session reset.
14. Fixed problem of evidence blocking fwUP in 2021-07 release.

## 01.00.03 (4/21/2021)

1. Fixed failure to add IPv6 link local address, problem of turning off "Web port" automatically turning off other ports at the same time, failure of IP Address to allow IPv6 format on "IP Access Control" page, problem of Unlock/Select button being enabled for Virtual CDROM/SMTP Password/RADIUS/DDNS (system lockdown mode), failure of Redfish SimpleUpdate API for BIOS firmware update, missing Storage page on IPMI, NVMe blink behavior after hot swap and ejection/insertion, mismatch of System Board Power Consumption Graph X-axis "Time Stamp" with system current time, one 0xDC event description, ability to configure DNS Server IP/DNS

Server2 IP on Network page (system lockdown mode), inability to remove selected file on the "Floppy Disk" due to out of frame icon, ability to configure Network (IPv4/SSL cert/SSDP/DDNS) and HEL (Warning!) check box for RADIUS user (Operator Privilege), ability to configure IPv4/DDNS/HEL (Warning!) check box for Local/RADIUS user (User Privilege), problem of Note box and hit message overlapping and appearing out of frame on SSDP page, and sorting result of "Total duration" field (Task list).

2. Fixed missing sensor information from expander on X12 90-bay dual, missing Temp sensor reading for onboard 10G, DNS Server2 IP default value, inability to open iKVM on X12DSC, and problem of HDD triggering 100% fan speed with M.2.

3. Fixed inability to use IP Access Control with IPv6 format, inability to access BMC web via IPv6 address, problem of display error of temp sensor for NVMe devices occurring, inability to access SYS-220U-MTNR: Storage Monitoring on IPMI when hotplugging after bootup without drive inserted, problem of DIMM sensor error occurring during AC ON/OFF, failure to save valid value as SSDP Port, mismatch of time in SSM SEL attention & Call Home Service Event Email vs. BMC shown in Redfish Call Home Test result, prompt message when setting NTP Server with valid value, and failure to remove invalid file under SSL Certificates page.

4. Fixed problem of button being enabled for operator user for SSDP and SSL Certificate, problem of selecting "0" at "Failed Login Attempt Lockout Threshold" returning error and failing to save the changes, problem of only one temperature sensor appearing for 2 x AOC-ATG-i2T2SM, the fan curve of P1_PMEM Temp & P2_PMEM Temp sensors, problem of DNS modification being disabled when DHCP is enabled, problem of Unlock/Select button being enabled on Virtual CDROM/SMTP Password/RADIUS/DDNS (system lockdown mode).

5. Fixed the fan curve of P1_PMEM Temp & P2_PMEM Temp sensors, problem of fully populated system showing AIOM_NIC7 and AIOM_NIC8, and problem of hitting message shifting the position in "Bind Password" field (LDAP).

6. Fixed missing asterisk in "Auth key" and "Private key" fields (SNMPv3).

7. Fixed display of "Category" when sorting on MEL page, problem of sensor reading "MBNVMeSSD Temp" appearing intermittently on IPMI GUI, BMC IP issue under failover mode after firmware update, the default fan mode, handling of zero-degree temperature returned from Marvell 88NR2241 SSD M.2 to prevent hitting critical threshold temperature, WebGUI display of BIOS revision with lower case letters, and failure of IPMI Hardware Monitor Check.

8. Fixed problem of Component information section under CarrierBoard IPMI Web System Component Overview page, malfunction of HTTPS redirect if not on default HTTP/HTTPS ports, problem of downloaded Excel file containing event logs when no category is selected, problem of DIMM Temp showing as N/A during ON/OFF testing, and failure of SUM 2.5.2 (210112) MountIsoImage.

9. Fixed abnormality of CPU Max Speed on IPMI CPU page, failure of IPMI sensor reading of all AOCs on all riser slots to show, problem of Network Page Health Status displaying as Critical with non-sensor AIOM card, problem of MEL order flipping after modifying IP Access Control, problems of duplicate MEL entries for enabling/disabling IP Access Control appearing and extra rule adding an entry after disabling, and missing TelemetryService value in SupportedCollectionFunctions.

### 0.10.91 (3/5/2021)

1. Enabled erase NAND partition feature.
2. Enhanced i2cRead PSU 1byte by 1byte.
3. Refactored the NCT6683 discovery process.
4. Added new PROCHOT logic.
5. Added support for DCPMM temperature sensor reading to work with ME version SPS_E5_04.04.051.0 or newer.

6. Added support for BIOS boot config recovery.
7. Fixed problem of IPMI SEL log showing "SPI Channel attack prevented" SEL log when AC is on, issue with add-on card thermal reading, Expander Temp sensor reading, ability of IPMI Web - Virtual Media - Virtual CD-ROM to import invalid symbol for input option, incorrect CreateVDActionInfo attribute value in Redfish for Marvell NR2241-B, and mismatch between IPMI Web System - Component Info - Product Info item display order and spec.
8. Fixed missing BIOS recovered from golden image event log in SEL, problem of configure parameter error occurring when creating RAID on WebGUI Marvell NR2241-B, problem of error message appearing when turning on NTP, and conflict between definitions in two sensor documents.
9. Fixed failure of hardware monitor check, problem of Node 1 front panel UID LED staying solid on after updating PDB CPLD firmware through IPMI WebGUI, failure of SYS-120C-TN10R FTU test, error of IPMI Web - System - Component Info - Overview - CPU health status, and ability of IPMI Web - Virtual Media - Virtual CD-ROM to import invalid symbols for input option.
10. Fixed failure of Remote Console Preview monitor function with User privilege account.
11. Fixed problem of garbage value displaying in health event logs for Marvel RAID card, ability of IPMI Web - Virtual Media - Virtual CD-ROM to import invalid symbols for input option, problem of unauthorized process (sshd in /sbin/) accessing critical data (platform.conf) while modifying port, problem of modification button for ADMIN user being enabled in system lockdown, issues with SYS-610U-TNR PVT Burn-in, missing domain for Active Directory Binding, problem of save returning "ERROR:A general..." when the SNMPv3 is "OFF", and problem of BMC randomly hanging on factory default.
12. Fixed failure of IPMI Hardware Monitor, failure of "Generate Evidence" to translate to simplified Chinese and Japanese, inability of SYS-730A-I BMC to show NVMe SSD sensor reading and missing fan speed control, CPU1's VRM fan curve, P1_DIMM fan curve, disabling of elements for account privileges, NVMe information error in the IPMI GUI, AOC NIC sensor naming, and duplicated sensor name for AOC NIC.
13. Fixed problem of "U2_SSD1 Temp" sensor dropping during ON/OFF, malfunction of physical view page button with operator privilege user, problem of IPMI LAN status display disconnecting when VLAN setting is enabled, presence of "Delete" function when ADMIN (Network Privileges: Administrator) is locked, problem of using full-width characters at "SNTP" returning "Oops! Something went wrong..." error, problem of using full-width characters at "Redfish" returning "Oops!" error and incorrect tips, problem of using full-width characters at "ROCommunity" and "RWCommunity" returning "ERROR:A general..." on SNMP page, problem of using full-width characters at "User name", "Auth Key", or "Private Key" returning "ERROR:A general..." and incorrect tips on SNMP page, problem of using space at "Systelog Server" getting different behavior, problem of using full-width characters at "SMTP Server", "Port Number", and "User name" getting different behavior, display of power supply information, problem of KCS error occurring during on/off test, BMC IP issue under failover mode after firmware update, display of CPU Speed under MiB Browser, problem of 404 occurring for GET https://IP/redfish/v1/Chassis/1/PCIeDevices/PCIeSSD0, and inability of "BMC hostname" to save changes even if the request is successfully set at Dynamic DNS.
14. Fixed problem of X12DHM IPMI omitting GPU sensor, failure of IPMI to report BIOS Golden info, failure of Web UI -- SNMPv1 Textfield error checking, failover of LAN interface mode, problem of iKVM screen hanging when dedicated changes to shared, failure of the CPU speed reaching the Max Speed in MHz, problem of Syslog sending Daemon logs from BMC, missing storage function on IPMI WebGUI, and information displayed when "Virtual Media Port" is turned off.