

IPMI Release Notes

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Product Name	X12SPL-(LN4)F
Release Version	01.01.45
Build Date	6/5/2023
Previous Version	01.01.34
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. MEL log description did not match the SNMPv3 Auth Protocol/Private Protocol.2. Syslog packet did not follow the RFC3164 Copy Project Issue Link.3. Better compatibility with IPMIECO TC0002, 2036, TC2063, and TC2076.4. Sensor naming did not match with sensor specification.5. Modified Dedicated Link options: Added 1G Full and removed 10M Half/Full except on X12STD-F and X12STE-F. X12STD-F Dedicated Link was fixed in Auto Negotiation. X12STE-F Dedicated Link was fixed in 1G Full.
New features	N/A

Fixes	<ol style="list-style-type: none"> 1. Successfully deleting IPv6 DNS will always create an "IPv6 DNS server 0:0:0:0:0:0:0 was deleted unsuccessfully" entry in the Maintenance Event Log. 2. DDNS can send multiple requests simultaneously that cause switchers to get out of shape. 3. Radius packet did not follow RFC2865. 4. Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration fails to switch on once switch off. 5. Function-- Able to click blink or insert HDD button when system lockdown mode. 6. It's a conflict checking rule on "Remote User" and "Remote Groups" while clicking on "Save" button in AD/LDAP. 7. GUI -- No pop-out error message when typing the wrong string at SNMPv2 Name field. 8. Redfish Automation 1 failed. 9. Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration fails to switch on once switch off. 10. GUI -- Sensor Naming did not match with the specification. 11. Disable TLSv1.0 and TLSv1.1. 12. "SSL Redirection" wasn't present on web UI but existed in help content. 13. UI Dashboard BIOS Firmware Version showed as 1.4b when it should be 1.5. 14. Component Info: Expanded PSU Table Text Inconsistency. 15. SUM tool couldn't get the BIOS build date, but on the web and SMCIPMITool, it displayed correctly. 16. Failed to add valid Prefix length128 for Static Route List. 17. No MEL log after configuring the Mouse Mode setting.
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01.01.34 (11/5/2022)

1. Improved the stability of bios related ROT operations.
2. Avoid ME hang during BIOS-cloning-GOLDEN operation.
3. i2cmap protection review.

01.01.24 (7/1/2022)

1. Enabled i2cmap protection feature.
2. Improved BMC boot stability.
3. i2cmap feature validated by Engineer.
4. Power Average Usage reading value is higher than Max Peak value under Power Consumption.
5. VROC RAID status still shows ok even when RAID has been downgraded.
6. Special query caused 500 Internal Server Error at X12 redfish (\$expand).
7. Fixed judgment mechanism for network AOC health status.
8. Inconsistent behavior between BMC and BIOS manual Recover.
9. Maintenance event log display error at /cgi/op.cgi (config_smtp).
10. Active Directory Remote Group character cap too short.

01.01.17 (3/4/2022)

Fixed the following issues:

1. Added option in BMC UI to create disabled user or edit user to disable.
2. Storage feature broken in 01.01.10.
3. STD -- 17212 -- 01.01.04 -- [Security] Specific strings could brute force the BMC directory.
4. IPMItool can set LAN mode out of range
5. [BMC-Intel VROC 7.5 OOB] Grey out "Create Raid" icon if no more physical drive available to create new Raid volume.
6. Can't sync NTP server when BMC has IPv6 DNS
7. Password is wrong if it contains "\" a backslash.
8. Cross scripting vulnerability: XSS attack at Notification Alert Redfish protocol.
9. LDAP Search Base with lots of garbage characters are appearing out of WEB UI field.
10. Support Preserve BIOS Boot Options Configuration when updating BIOS FW.
11. During fwUP, bmc reset, fan speed should remain the same.
12. An inaccurate popup message when setting a user password the same as user name.
13. Adjusted Max number of SEL up to 4096.
14. IPMI ECO Update BIOS failure.
15. All Broadcom AOC controllers such as 3008, 3616, 38xx and 39xx are not discoverable.
16. Unspecified Event Log Assertion When AC ON.
17. iKVM(JAVA plug-in/HTML5) should be support IMA file type. [137280] ECO--15340--01.01.13(01/27/2022) -- iKVM(JAVA plug-in) should be support "IMA" image.
18. GPUs missing under GPU tab in IPMI Web GUI [137010] GPU and CPU liquid cooling pump SEL error in Liquid cooled system, and no GPUs detected
19. Add SNMP type user does not have an asterisk * to inform Auth Key and Private Key are required items.
20. Language Change title string not translated.
21. Improve PSU initialization code, add delay and retries.
22. Create new user on web UI should not get error, even though the user ID is occupied on NoAccess user.

23. It should not present "Delete" icon while login "Operator" or "User" privileges account. [138112] ECO--15340-- 01.01.16 (02/15/2022) -- Modify password while login "Operator" or "User" privileges account will return Oops error!
24. No GPU found on WEB BMC.
25. [Redfish API Automation test failed]
26. Mount failed pop up error message and Even log are incorrect.
27. Mount *.img displaying wrong file type on Java iKVM Virtual Media.
28. Updating invalid FW will show MEL message when updating BIOS and CPLD.

1.00.21 (01/22/2021)

1. Fixed broken SUM inband feature.
2. Disabled creation and activation of a null user and password.
3. Fixed problem of BMC crashing and restart being forced due to malicious data transmission.
4. Fixed inability to reset configurations in resolv.conf file after BMC is restored to the factory default setting.
5. Fixed problem of NTP showing failure message after setting.
6. Fixed mismatch of TEE OS 0x42 error message on IPMI MEL and "Kernel code segment (offset: ##) was compromised."
7. Fixed inability to open Java iKVM under Windows Server OS.
8. Fixed problem of no action via Java plug-in being triggered when setting hot key (Ctrl+Shift+F5) to reboot system.
9. Fixed missing warning message when setting the same hotkeys with different actions (Java/iKVM).
10. Fixed failure of IPMI ECO automation test.
11. Fixed ability of user to set user name and password as the same.
12. Fixed inability of config to save Sender of SMTP.
13. Corrected WebGUI "CPU Speed" info data source from MaxSocketSupportedSpeed to OperatingSpeed.
14. Fixed issue of system with AST2600 hanging when running DC on/off testing with Red Hat 8.3.
15. Improved compatibility with Redfish ATT after applying the security patches.
16. Set BMC to power on the system after motherboard CPLD fwUP if the system is off.
17. Refactored FD-related codes.
18. Hid LAN1 MAC Address if it is 00:00:00:00:00:00.
19. Set fan speed to maintain during BMC fwUP and BMC reset.

01.00.14 (7/27/2021)

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. Set BMC to automatically update Golden Image in addition to Active Image when a new image being programmed is introducing a new/older version of RollbackID to the one programmed in RoT.
5. Modified Virtual CD-ROM help content.
6. Allowed BIOS update after new CPLD firmware upgrade.
7. Enhanced WebGUI login to work correctly after performing a session reset.
8. Enhanced the tool such that evidence does not block fwUP in 2021-07 release.
9. 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].*
- 10. Fixed mismatch of Onboard LAN MAC and other information on "Network AOC - Component Info" and "Dashboard".*
 - 11. Fixed problem of system hanging and losing BMC connection after updating CPLD from WebGUI or SUM.*
 - 12. Fixed issue with RADIUS server address input and Copy Project Link.*
 - 13. Fixed the issue with BMC Hostname not allowing space.*
 - 14. Fixed the issue with BMC not getting updated through SUM with non-preserve option after modifying something on WebGUI.*
 - 15. Fixed the issue with the Syslog page not being modifiable in system lockdown mode.*
 - 16. Fixed messy code with a prompt message when the session timeout occurred.*
 - 17. Fixed the issue with different behavior when port is ON vs. OFF on Port page.*
 - 18. Fixed SUM's out-of-board (OOB) secure erase of RAID hard drive.*
 - 19. Fixed networking ASIC sensor name in IPMI.*
 - 20. Fixed check sensor to match with spec.*
 - 21. Fixed iKVM's return message when IPMI/BIO firmware has been updated.*

1.00.04 (5/3/2021)

- 2. Enhanced i2cRead PSU 1byte by 1byte.*
- 3. Enabled erase NAND partition feature.*
- 4. Added support for DCPMM temperature sensor reading to work with ME version SPS_E5_04.04.051.0 or newer.*
- 5. Added support for BIOS boot config recovery.*
- 6. Added new PROCHOT logic.*
- 7. 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).*
- 8. 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.*
- 9. 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.*

10. 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).
11. 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).
12. Fixed missing asterisk in "Auth key" and "Private key" fields (SNMPv3).
13. 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.
14. 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 cburn 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/PCleDevices/PCleSSD0>, and inability of "BMC hostname" to save changes even if the request is successfully set at Dynamic DNS.
15. 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.
16. Fixed failure of 14 cases in BIOS ECO Robot automation test, problem of POST showing BMC unresponsive warning after AC cycle, missing related information for "Generate evidence / Download evidence" in help content, inability to retry "Download Evidence" and missing alert to mention it before BMC unit reset, and X12DPG-AR IPMI Sensors.
17. 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.
18. 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.

- 19. Fixed failures of X12DDW-A6 on X12 Redfish auto test, failure of AOC_NIC fan speed control to follow fan curve and inability of BMC to detect all AOC_NIC temperatures in system, failure of SATC Redfish automation, missing VDIMM sensor reading on IPMI Web, mismatch of power fail events and SPEC, the prompt description when BMC resets, problem of the prompt message showing "System is rebooting..." when the system powers on after updating BIOS via WebUI, problem of the prompt message "System is rebooting..." showing for too long when updating BIOS via WebUI, problem of WebGUI missing create RAID0 operation for Marvell NR2241-B, problem of IPMIECO automation always getting DCMI 0W power reading error, issue with VD Rebuild in Redfish and RAID 0 VD creation in Redfish, failure of Redfish automation test, issue with Link Speed and Link Width, and disabling of elements for account privileges.*
- 20. 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.*
- 21. 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.*
- 22. Fixed problem of error message appearing after modifying web port.*

Product Manager

Date