

## IPMI Release Notes

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<b>Product Name</b>	<b>X12SPL-(LN4)F</b>
<b>Release Version</b>	<b>01.00.14</b>
<b>Build Date</b>	<b>7/27/2021</b>
<b>Previous Version</b>	<b>01.00.04</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. Set BMC boot firmware flash to use 3byte mode.</li><li>2. Improved internal flow of BIOS update.</li><li>3. Improved compatibility with provisioning rot_checker script 2021Q2.</li><li>4. Set BMC to automatically update Golden Image in addition to Active Image when a new image being programmed is introducing a new/late version of RollbackID to the one programmed in RoT.</li><li>5. Modified Virtual CD-ROM help content.</li><li>6. Allowed BIOS update after new CPLD firmware upgrade.</li><li>7. Enhanced WebGUI login to work correctly after performing a session reset.</li><li>8. Enhanced the tool such that evidence does not block fwUP in 2021-07 release.</li></ol>

<p><b>New features</b></p>	<p>1. Changed location name on NIC page (AIOM-&gt;System Slot A#, PCIE-&gt; 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].</p>
<p><b>Fixes</b></p>	<p>1. Fixed mismatch of Onboard LAN MAC and other information on “Network AOC - Component Info” and “Dashboard”.</p> <p>2. Fixed problem of system hanging and losing BMC connection after updating CPLD from WebGUI or SUM.</p> <p>3. Fixed issue with RADIUS server address input and Copy Project Link.</p> <p>4. Fixed the issue with BMC Hostname not allowing space.</p> <p>5. Fixed the issue with BMC not getting updated through SUM with non-preserve option after modifying something on WebGUI.</p> <p>6. Fixed the issue with the Syslog page not being modifiable in system lockdown mode.</p> <p>7. Fixed messy code with a prompt message when the session timeout occurred.</p> <p>8. Fixed the issue with different behavior when port is ON vs. OFF on Port page.</p> <p>9. Fixed SUM’s out-of-board (OOB) secure erase of RAID hard drive.</p> <p>10. Fixed networking ASIC sensor name in IPMI.</p> <p>11. Fixed check sensor to match with spec.</p> <p>12. Fixed iKVM’s return message when IPMI/BIO firmware has been updated.</p>

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

**1.00.04 (5/3/2021)**

*[Enhancements]*

1. Enhanced i2cRead PSU 1byte by 1byte.
2. Enabled erase NAND partition feature.

*[New Features]*

1. Added support for DCPMM temperature sensor reading to work with ME version SPS\_E5\_04.04.051.0 or newer.
2. Added support for BIOS boot config recovery.
3. Added new PROCHOT logic.

*[Fixes]*

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 "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 "Syslog 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/PCIeDevices/PCIeSSDO>, and inability of "BMC hostname" to save changes even if the request is successfully set at Dynamic DNS.

9. 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.

10. 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.

11. 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.

12. 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.

13. 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 IPMI ECO automation always getting DCMI OW 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.

14. 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.

15. 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.*

*16. Fixed problem of error message appearing after modifying web port.*