

# IPMI Release Notes

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<b>Product Name</b>	<b>X12SPi-TF</b>
<b>Release Version</b>	<b>01.00.14</b>
<b>Build Date</b>	<b>7/27/2021</b>
<b>Previous Version</b>	<b>01.00.05</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>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. Upgraded BIOS firmware and refactored the codes.</b>
<b>New features</b>	<b>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].</b>
<b>Fixes</b>	<b>1. Fixed mismatch of onboard LAN MAC and information between "Network AOC - Component info" and "Dashboard".</b>

	<ul style="list-style-type: none"><li><b>2. Fixed problem of AC on/off showing VcpuVRM message in ipmicfg - sel.log.</b></li><li><b>3. Fixed problem of system hanging and losing BMC connection after updating CPLD from WebGUI or SUM.</b></li><li><b>4. Fixed issue with RADIUS server address input.</b></li><li><b>5. Fixed problem of the result of test case 255 displaying "stoi: no conversion".</b></li><li><b>6. Fixed mismatch between IPMI sensor GUI NIC ASIC naming and X12 temperature sensor guildline_1.0f.</b></li><li><b>7. Fixed WebGUI login after a session reset.</b></li><li><b>8. Fixed problem of evidence blocking fwUP in 2021-07 release.</b></li></ul>
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**Release Notes from Previous Release(s)**

**01.00.05 (5/5/2021)**

1. Updated Virtual CD-ROM help content.
2. Fixed the following PB issues: Enabled ability to add IPV6 link local address. Fixed turning off "Web port" will automatically turn off other ports at the same time. Allow IP Address IPv6 format on the "IP Access Control" page. Fixed Unlock>Select button enabled at Virtual CDROM/SMTP Password/RADIUS/DDNS (System Lockdown Mode). Fixed Redfish SimpleUpdate API failed for BIOS firmware update. Added Storage page on IPMI. Fixed incorrect NVMe Blink Behavior after Hot Swap and Eject/Insert on SYS-220U-TNR. In the IPMI firmware, System Board Power Consumption Graph x-axis "Time Stamp" does not match with system "current time". Fixed 0xDC event description. (Device changed on Other OEM Slot->Slot3->Slot2 - Assert) should be (Other components changed - Assert) on the X12DPL/X12DPG but is correct on X12DPT-PT46. Fixed DNS Server IP/DNS Server2 IP is configurable on the Network page (System Lockdown Mode). Fixed inability to remove selected file on the "Floppy Disk". Fixed Copy Project Issue Network (IPv4/SSL cert/SSDP/DDNS) and HEL(Warning!) check box is configurable for Radius user (Operator Privilege). Fixed Copy Project Issue IPv4/DDNS/HEL(Warning!) check box is configurable for Local/Radius user (User Privilege). Fixed Note box and hit message are overlapped and out of edge on SSDP page. Fixed sorting result of "Total duration" field (Task list).
3. Fixed the following PB issues: Enabled ability to add IPV6 link local address. Fixed turning off "Web port" will automatically turn off other ports at the same time. Fixed IP Address does not allow IPv6 format on the "IP Access Control" page. Fixed Unlock>Select button enabled in Virtual CDROM/SMTP Password/RADIUS/DDNS (System lockdown Mode). Fixed Redfish SimpleUpdate API failed during BIOS firmware update. Added Storage page on IPMI. Fixed incorrect NVMe Blink Behavior after Hot Swap and Eject/Insert on SYS-220U-TNR. Fixed System Board Power Consumption Graph x-axis "Time Stamp" not matching with system "current time. One 0xDC event description is incorrect. (Device changed on Other OEM Slot->Slot3->Slot2 - Assert) should be (Other components changed - Assert) on the X12DPL/X12DPG but is correct on X12DPT-PT46. DNS Server IP/ DNS Server2 IP is configurable on the Network page (System Lockdown Mode). Fixed inability to remove selected file on the "Floppy Disk". Fixed Copy Project Issue Link. Network (IPv4/SSL cert/SSDP/DDNS) and HEL(Warning!) check box is configurable for Radius user (Operator Privilege). Fixed Copy Project Issue Link IPv4/DDNS/HEL(Warning!) check box is configurable for Local/Radius user (User Privilege). Fixed Note box and hit message are overlapped and out of edge on SSDP page. Fixed sorting result of "Total duration" field (Task list).
4. Fixed the following PB issues: Fixed Component information section under Carrier Board IPMI Web System Component Overview page. Fixed https redirect will not perform properly if not on default http/https ports. Fixed downloaded Excel file containing event logs even when not selected. Fixed DIMM Temp show N/A during ONOFF testing. Fixed SUM 2.5.2 (210112) MountImage Fail.
5. Fixed the following PB issues: CPU Max Speed is abnormal on the IPMI CPU Page. Fixed the inability to see IPMI sensor reading of all AOC on all riser slots. Fixed Network Page Health Status displaying Critical with non-sensor AIOM card. Fixed MEL order flipped after modifying IP Access Control. Fixed duplicate MEL entries after enabling or disabling IP Access Control and extra rule added after disabling TelemetryService in SupportedCollectionFunctions.
6. Fixed error message pop up after modifying web port.

**Revision 00.10.91 (3/5/2021)**

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

**New Features**

1. Refactored the NCT6683 discovery process.

2. Added new PROCHOT logic.

3. Added support for DCPMM temperature sensor reading to work with ME version SPS\_E5\_04.04.051.0 or newer.

4. Added support for BIOS boot config recovery.

Fixes

1. 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 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.

2. 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.

3. 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.

4. 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.

5. Fixed download evidence file name, malfunction of IPMI Web eject and insert functions, abnormality of the "NTP Enable/Daylight Savings Time" button UI, missing Virtual Raid information on Logical View page, problem of Close/Enable system lockdown hanging at confirmation window, inability to test SATC Redfish automation, missing disk information from IPMI WebGUI for SK Hynix PE8010, problem of downloaded Excel file containing event log when no category is selected, enabled button for operator user for SSDP and SSL Certificate, mismatch of downloaded sensor file with WebGUI, problem of severity of "System NIC (0) IPv6 IP Change" appearing as "OK" instead of "Warning", problem of "PDSlotx not present - Deassertion" event incorrect" showing when assertion passes under the BMC WebUI\_Health Event Log on the X12SPL, problem of "PDSlotx not present - Deassertion" event incorrect" showing when assertion passes under the BMC WebUI\_Health Event Log on the X12SCZ-TLN4F, mismatch of RAID VD strip block size, reversed vendor/device/sub-vendor/sub-device IDs, the DCPMM naming by changing "DCPM" to "PMEM" in IPMI sensor reading.

6. Fixed failure of Remote Console Preview monitor function with User privilege account.

7. Fixed problem of alert subject showing special characters after sending mail automatically, GPU RTX8000 active temperature threshold, alert when opening iKVM VM tab after closing VM port, problem of NMAP running after closing VM port, and problem of Close/Enable system lockdown hanging at confirmation window.

8. Fixed missing add-on card sensor reading when installing the card on RSC-S2R-68G4 and absence of sort symbol function on "Platform Resiliency Actions" list after changing language.

9. Fixed IPMI sensor reading auto refresh button, incomplete display of Java iKVM virtual keyboard, problem of saved NTP server showing NTP as disabled, abnormality of the "NTP Enable/ Daylight Savings Time" button UI, problem of many voltage sensor type activities logging during system stress,

*mismatch of selected languages in exported Excel content, inability for an interval to save successfully and without error message when inputting "Hostname", problem of "Export to Excel" changing to English when language changes, 12V sensor voltage range with IPMI ECO automation with 00.10.75 IPMI version, mismatch of "Export to Excel" UI designs, failure of Sensor Thresholds to translate to simplified Chinese/Japanese, problem of MB\_25G Temp sensor showing N/A, 10G LAN Temp, and ability to detect Check IPMI Web sensor reading for onboard 1G NIC Temp.*

*10. 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.*

*11. 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.*

*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 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/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.*