

IPMI Release Notes

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Product Name	X12SPW-(T)F
Release Version	01.01.34
Build Date	11/5/2022
Previous Version	01.01.24
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	1. Improved the stability of BIOS related ROT operations.
New features	1. i2cmap protection review.
Fixes	Fixed the following issues: 1. STD – 16914 – 01.01.32 – [REDFISH] POST CreateDump accepted when the host is powered off. 2. SYS-620H-TN12R' has extra sensor reading of 'HDD Temp' after Burn-in Copy Project Issue Link. 3. BMC/BIOS RoT Current and Golden images update in one shot:FAIL. 4. Avoid ME hang during BIOS cloning GOLDEN operation. 5. Support Innodisk M.2 sensor reading.

Release Notes from Previous Release(s)

01.01.24 (7/1/2022)

1. Validated i2cmap feature during this ECO validation process.
2. Improved BMC boot stability.
Fixed the following issues:
3. Active Directory Remote Group character cap too short.
4. VROC RAID status still shows OK even when RAID is downgraded.
5. Special query causing 500 Internal Server Error at X12 redfish (\$expand).
6. Fixed judgment mechanism for network AOC health status.
7. Inconsistent behavior between BMC and BIOS manual Recovery.
8. Maintenance event log display error at /cgi/op.cgi (config_smtp).

01.01.17 (3/4/2022)

1. Add option in BMC UI to create disabled user or edit user to disable.
2. Storage feature broken in 01.01.10.
3. Specific strings could brute force the BMC directory.
4. IPMItool can set LAN mode out of range.
5. Need to grey out "Create Raid" icon if no more physical drives available to create new Raid volume.
6. Can't sync NTP server when BMC has an IPv6 DNS.
7. Password does not accept a backslash "\".
8. XSS attack at Notification Alert Redfish protocol.
9. Support Preserve BIOS Boot Options Configuration when updating BIOS FW.
10. BMC should maintain fan speed during fwUP, and BMC reset.
11. Set maximum number of SEL up to 4096.
12. Chosen file is blocked over the area at License Activation page.
13. BIOS update failure.
14. All Broadcom AOC controllers such as 3008, 3616, 38xx and 39xx are not discoverable.
15. Unspecified Event Log Assertion when AC ON.
16. iKVM(JAVA plug-in/HTML5) should support IMA file type.
17. Add SNMP type user does not have and asterisk * to alert that Auth Key and Private Key are required items.
18. Language Change title string is not translated.
19. Improve PSU initialization code, add delay and retries.
20. "Delete" icon should not appear while logged in as "Operator" or "User" privileges account.
21. Redfish API Automation test failure.
22. Mount failed pop up error message and Even log are incorrect.
23. Mount *.img displays wrong file type on Java iKVM Virtual Media.
24. Update invalid FW will show MEL message when updating BIOS and CPLD.

1.00.21 (11/5/2021)

1. Fixed the issue of AST2600 hanging during DC on/off test on Red Hat 8.3.
2. Fixed the broken SUM in-band feature.
3. Displayed the NTP fail message after enabling the NTP BIOS setting.
4. Enabled JAVA iKVM to launch under Windows Server 2016/2019.

5. Fixed BMC ECO automation test failure.
6. Disabled allowing username and password to be the same.
7. Enabled SMTP sender's address to be saved on the SMTP page.
8. Fixed a description in the webGUI "CPU Speed" column from "MaxSocketSupportedSpeed" to "OperatingSpeed."
9. Maintained the fan speed during BMC fwUP and reset.
10. Applied security patches and improved compatibility with Redfish ATT.
11. Updated the creation and activation of a null user and password.
12. Updated the BMC behavior of crashing and restarting when there is malicious data transmission.
13. Enabled a configuration file to be reset after the BMC is restored to the factory default setting.
14. Matched the OS error message to the BMC MEL message for the message "Kernel code segment (offset:##) was compromised."
15. Enabled the BMC to be a backup to power on the system if the CPLD fwUP fails to power on the system.
16. Refactored FD codes.
17. Hid LAN1 MAC address 00:00:00:00:00:00.

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 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.
8. 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.
9. 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.
10. 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.
11. 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.

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

13. 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.

14. 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.

15. 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.

16. 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.

17. 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.

18. 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.

19. 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/PCIeSSD0>, and inability of "BMC hostname" to save changes even if the request is successfully set at Dynamic DNS.

20. 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.

Product Manager

Date