BMC Firmware Release Notes

Product Name	**X12SPM-TF/LN4F/LN6TF**
Release Version	**1.03.07**
Build Date	**9/29/2023**
Previous Version	**1.01.41**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	1. **Syslog packet did not follow RFC3164 Copy Project Issue Link.**
New features	**N/A**
Fixes	1. **SNMPv2 Community String in WEB Help did not match with spec.** 2. **LDAP failed to login when the LDAP server has entry limit.** 3. **Should have "*" if the blank is required to fill in. (Directory Service)** 4. **Sensor name did not match with spec.** 5. **Hex-to-dec conversion of SGX epoch display.** 6. **Network number mismatched during AC on/off stress.** 7. **Please provide spec to check SNMPv2 Community String.** 8. **Disabled TLSv1.0 and TLSv1.1.**

	9. Component Info: Expanded PSU Table Text Inconsistency.
	10. SUM tool couldn't get BIOS build date, but web and SMC IPMI Tool showed correctly.
	11. Failed to add valid Prefix length128 for Static Route List.
	12. No MEL log after configure the Mouse Mode setting.
	13. 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.
	14. MEL log Description did not quite match SNMPv3 Auth Protocol/Private Protocol .
	15. DDNS can send multiple requests simultaneously that cause switchers to be out of shape.
	16. Radius packet did not follow RFC2865.
	17. Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration failed to switch on once switch off.
	18. Able to click blink or insert HDD button when system lockdown mode.
	19. It was a conflict-checking rule on "Remote User" and "Remote Groups" while click on "Save" button in AD/LDAP.
	20. Syslog packet did not follow RFC3164.
	21. No pop-out error message when typed the wrong string at SNMPv2 Name field.
	22. Support IPv6 enhancement spec.
	23. BMC version was incorrect in troubleshooting Log.
	24. HDD info lines was not aligned at Physical View .
	25. Redfish Hostname special characters support.
	26. Downgraded from BIOS 1.5 to BIOS 1.1. BIOS shown correctly, but IPMI web still showed BIOS 1.5.
	27. Needed to define MEL-ID for "LLDP was configured to enabled/disabled successfully.
	28. Fixed fan fail feature broken from 01.03.01 to 01.03.06.

01.01.41 (3/17/2023)

1. *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.*
2. *Syslog packet not follow RFC3164 Copy Project Issue Link.*
3. *SNMPv2 Community String in WEB Help does not match with the spec.*
4. *LDAP failed to login when LDAP server has an entry limit.*
5. *WEB -- Should have "*" if the blank is required to fill in. (Directory Service).*
6. *WEB -- Sensor name does not match with the spec.*
7. *hex-to-dec conversion of SGX epoch display.*
8. *Network number mismatch during AC on/off stress.*
9. *SNMPv2 Community String follows spec in help page.*
10. *Web [MEL-0080] description does not match with the spec. Wrong MEL event when setting up the SMTP Alert.*
11. *Disabled TLSv1.0 and TLSv1.1.*
12. *Sensor naming does not match with the sensor specification.*

01.01.34 (11/5/2022)

1. *Improved the stability of bios related ROT operations.*
2. *i2cmap protection review.*
Fixed the following issues:
3. *POST CreateDump accepted when host is powered off.*
4. *Avoid ME hang during bios-cloning-GOLDEN operation.*
5. *Sensor name "M2_SSD1 Temp" has underline that does not match with the specs.*
6. *"M2SSD Temp" has underline in sensor that does not match with the specs.*

01.01.24 (7/1/2022)

1. *Improved BMC boot reliability.*
Fixed the following issues:
2. *Active Directory Remote Group character cap too short.*
3. *VROC RAID status still shows OK even when RAID has been downgraded.*
4. *Special query causing 500 Internal Server Error at X12 redfish ($expand).*
5. *Fixed judgment mechanism for network AOC health status.*
6. *Inconsistent behavior between BMC and BIOS manual Recovery.*
7. *[Security] Maintenance event log display error at /cgi/op.cgi (config_smtp).*

01.01.17 (3/4/2022)

1. *Added option in BMC UI to create disabled user or edit user to disable.*
2. *Storage feature is broken in 01.01.10.*
3. *Specific strings could brute force the BMC directory.*
4. *IPMI tool can set LAN mode out of range.*
5. *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 becomes invalid when it contains '\'.*
8. *Redfish XSS attack vulnerability.*
9. *Support for "Preserve BIOS Boot Options Configuration" when updating BIOS FW.*

10. During BMC fwUP, BMC reset, must keep fan speed.
11. Support for new group sensor design.
12. Max number of SEL up to 4096.
13. IPMI ECO Update BIOS failure.
14. Broadcom AOC controllers such as 3008, 3616, 38xx and 39xx are undiscoverable.
15. Unspecified Event Log Assertion When AC ON.
16. iKVM (JAVA plug-in/HTML5) should support IMA file type.
17. GPUs missing under GPU tab in IPMI Web GUI.
18. Add SNMP type user Not have * to inform Auth Key and Private Key are required items.
19. Language Change title string is not translated.
20. Improve PSU initialization code, add delay and retries.
21. Created new user on web UI should return an error if the user ID is on the No Access userlist.
22. It should not show the "Delete" icon while logging in as "Operator" or "User" privileges account.
23. Modifying password while logged in as "Operator" or "User" privileges account will return "Oops error!".
24. No GPU found on WEB BMC.
25. Redfish API Automation test failure.
26. Mount failed pop up error message and Event log are incorrect.
27. Mount *.img display is the wrong file type on Java iKVM Virtual Media.
28. Invalid FW will show MEL message when updating BIOS and CPLD.

1.00.21 (10/22/2021)

1. Better compatibility with redfish ATT.
2. If system is off during a motherboard firmware update, the BMC will power on the system.
3. Added a warning message before overwriting a hotkey that has already been predefined.
4. The BMC will now retain the same fan speed during firmware updates and during a BMC reset.
5. Fixed the Supermicro Update Manager (SUM) to enable inband BIOS updates.
6. Creation and activation of a null user and password is no longer possible.
7. Fixed BMC crash and forceful restart caused by malicious data transmissions.
8. Fixed bug that retains data in resolve.conf even after the BMC has been reset to factory defaults.
9. NTP no longer shows a fail message after setting.
10. The "TEE OS 0x42" error message on the IPMI MEL now matches with "Kernel Code segment (offset:###) was compromised".
11. Fixed bug that won't bring up JAVA iKVM under Windows Server OS.
12. Fixed an issue with the JAVA plugin (Ctrl+Shirt+F5) that does not work the same way as the hot key equivalent.
13. Refactored FD related codes.
14. Fixed failure during IPMI ECO automation test.
15. It is no longer possible to save the same username and the same password.
16. Fixed an issue where the SMTP sender can't be saved in the configuration.
17. In the web GUI, the data source in reference to the "CPU Speed" has been changed from "MaxSocketSupportedSpeed" to the correct "OperatingSpeed"
18. In the web GUI, the LAN1 MAC address is now hidden if the value is 0.
19. The Network AOC page has been fixed to display the correct slot location.
20. Fixed an issue on systems with the AST2600 where it freezes when running DC on/off testing on Red Hat Linux 8.3.