

BIOS Release Notes Form

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Product Name	X12STH-F/LN4F/SYS
Release Version	1.2
Build Date	6/23/2022
Previous Version	1.0a
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Updated the BIOS version to 1.2.2. Updated Microcode to 0x54 per IPU 2022.2 Processor Advisory INTEL-TA-00657 to address CVE-2022-21233 (6.0 Medium)3. Updated BIOS ACM and SINIT ACM to 1.14.39 (20211214) for 2022.1 IPU – BIOS Advisory, INTEL-TA-00601 to address CVE-2021-33123 (8.2 High), CVE-2021-33124 (7.5 High) and CVE-2021-33103 (7.5 High)4. Based on AMI Tatlow Server source code label 16 (BETA) 5.22_1AXCT_RC0B.01.34.60_016, updated RC chipset.5. Sync chassis type of SMBIOS type 3 from FRU0. Fixed to override if modified by tool(AMIDMIEDIT)6. Updated AHCI driver from ver 23 to ver 287. Fixed no boot option for single HDD under RAID mode8. If chassis type of FRU0 is not 1(other) or 2(unknown), fixed to sync it to SMBIOS type 3.
New features	N/A

Fixes	<ol style="list-style-type: none"> 1. After loading BIOS default in BIOS setup, fixed ISH (B0:D12h:F0) to be disabled. 2. Fixed issue: System cannot power on if proceed BIOS recovery from 1.0a to 1.1 or from 1.1 to 1.0a 3. Fixed issue: system with PCIe card stuck in reset loop while running TC:Check the Behavior of BIOS FDT Changed 4. Added the plain-text password support to SMC-OOB2. 5. Fixed issue: hang at post code 2F if updating BIOS from 1.0a to 1.1 via BMC web or SUM 6. Fixed issue: An unknown device with _HID INTC1025(yellow bang) found when Intel® Trusted Execution Technology (Intel® TXT) is enabled under Windows Server* 2022 and 2019. no functional impact and everything works as expected 7. Fixed setting: "BootSourceOverrideEnabled" via Redfish issue. 8. Fixed issue: Boot options will miss when use SUM to clear httpboot. 9. Fixed issue: Setup options e.g. Enable Root Port, Max Link Speed , ASPM of PEG Port Configuration are malfunctioning. 10. Fixed issue: The Storage Monitoring isn't showing in WEBUI after AOC-3908L-H8IR switch to PCIE mode.
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1.0a (12/13/2021)

- 1. Fixed the WHQL test USB port that is mapping incorrectly.*
- 2. Fixed serial number in SMBIOS type 17, as it loses bytes when using Samsung DDR4 memory.*
- 3. Fixed SMCIPMITOOL/IPMICFG where it can't set persistent boot under DUAL mode, and Legacy mode through IPMI Boot Flag Command.*
- 4. Corrected issue where the BIOS password is lost after update.*
- 5. Fixed SUM testing issue where the password is not retained.*
- 6. Corrected issue when using the AFU flash tool to update the BIOS, the BIOS Build Date will not change in the BIOS setup menu.*
- 7. Fixed issue where system is unable to sync on SMBios type2 when changing product name of fru1 by the IPMICFG utility.*
- 8. Updated support for SUM V2.00.11 to fix intermittent failures related to password.*
- 9. Added Intel PEG port width drop workaround and PEG port speed drop workaround.*
- 10. Added Intel IPS #00641060 patch to support disabling of AVX/AVX3. Added AVX and AVX3 setup items.*
- 11. Based on Tatlow_Server_BKC_2021_WW39_PLR1, updated BtG BIOS ACM version to 1.14.26 (20210902) and SINIT ACM version to 1.14.26 (20210902).*
- 12. Based on AMI Tatlow Server source code label 14 (5.22_1AXCT_RC0B.01.34.60_014) , updated RC chipset.*
- 13. Fixed an issue that when disabling BMC IPv6 Support in the BIOS, the IPv6 Address Status will show "Disabled" instead of "_".*
- 14. Fixed issue where when the PCIe PERR is triggered, no events are recorded in the Event Log.*
- 15. Fixed system Recovery hang on 0x94 after BIOS crash under Dual mode.*