# BIOS Release Notes Form

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| **Product Name** | **X12SPM-(T)F/LN4F/LN6F** |
| **Release Version** | **1.0a** |
| **Release Date** | **3/5/2021** |
| **Build Date** | **3/5/2021** |
| **Previous Version** | **1.0** |
| **Update Category** | **Critical** |
| **Dependencies** | **None** |
| **Important Notes** | **None** |
| **Enhancements** | **1. Updated VBIOS and VGA EFI driver to 1.11.03.**<br><br>**2. Updated BIOS ACM 1.0.9 and SINIT ACM 1.0.9.**<br><br>**3. Updated 5.22_WhitleyCrb_0ACMS_ICX_058_BETA for PC2 RC update.**<br><br>**4. Enhanced SmcSecureBoot function.**<br><br>**5. Updated Firmtool 1.30.21 to 1.30.22.**<br><br>**6. Updated SATA/sSATA EFI driver to VROC PreOS v7.5.0.1152.**<br><br>**7. Updated BPS firmware 1553 and UEFI driver 3852.**<br><br>**8. Added PROMPT_F1_ON_PWD_TRYOUT.**<br><br>**9. Added IPMI OEM command 0x30 0x68 0xE0 to enhance SUM OOB flow.**<br><br>**10. Kept value of setup string of Manufacturer and Product according to priority "modification of AmiBcp, FUR1 and then SMBIOS Table".**<br><br>**11. Fixed inability of the system to boot into PXE with DVD installed.** |

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| | 12. Enhanced SMCI HDD Security feature.<br><br>13. Added the new type "text" of the HII data for the SMC setup modify function.<br><br>14. Set GPP_C20 to GPIO default output high to prevent PCH throttle.<br><br>15. Added support for recovering boot status after flashing ROM through BMC/CPLD.<br><br>16. Added code to stop AFU support.<br><br>17. Added HCC Mx stepping CPU check for CPU stepping display.<br><br>18. Set default Boot Guard profile to 5.<br><br>19. Updated AMI 5.21_WhitleyCrb_0ACMS_ICX_056 for PC2 RC update.<br><br>20. Automatically disabled and hid ADDDC with x8 width DIMM.<br><br>21. Extended memory DIMM serial number information (Samsung, Micron, Hynix).<br><br>22. Updated Intel-Generic-Microcode-20210226a_NDA and Intel AE.<br><br>23. Updated SPS 4.4.51. |
| New features | N/A |
| Fixes | 1. Fine tuned BMC LAN USB error handle and fixed asset problem when enabling BIOS debug mode and rebooting BMC under UEFI shell.<br><br>2. Fixed failure of the HDD security menu to show when more than 6 HDDs are connected on system.<br><br>3. Fixed failure of the BIOS binary to follow the unique format on the PC with Python 3 installed.<br><br>4. Fixed failure of SUT to prompt "Enter User password" screen after setting a password when plugging in SED device.<br><br>5. Corrected display of IPv4 address source status after updating BIOS.<br><br>6. Corrected display of IPv6 status after updating BIOS. |

| | 7. Modified IPv6 behavior and removed error message when IPv6 router IP is ::::::. |
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| | 8. Fixed problem of "Configuration Address Source" always showing "DHCP" on IPMI IPv6 page. |
| | 9. Fixed system auto reboot when AOC-S100G-b2C is in slot 7. |
| | 10. Fixed malfunction of EDPC. |
| | 11. Set AFU to stop if there are no parameters. |
| | 12. Fixed problem of module recovering boot status again when CMOS is clear. |

*Release Notes from Previous Release(s)*