

# BIOS Release Notes Form

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<b>Product Name</b>	<b>X12SPL-F/LN4F</b>
<b>Release Version</b>	<b>1.1a</b>
<b>Release Date</b>	<b>07/30/2021</b>
<b>Build Date</b>	<b>07/30/2021</b>
<b>Previous Version</b>	<b>1.1</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. Updated 5.22_WhitleyCrb_0ACMS_ICX_066_BETA Intel BKCWW24 2021 PV MR4.</b> <b>2. Updated Dx/Mx microcode from Intel-Generic-Microcode-20210701_NDA.</b> <b>3. Updated SATA/sSATA EFI driver to VROC PreOS v7.6.0.1012.</b> <b>4. Updated SPS 4.4.4.56 PV MR2.</b> <b>5. Fixed the issue with TPM 1.2/2.0 disappearing when enabling Intel "TXT Support" without provisioning Intel TXT requiring NV indices to TPM.</b> <b>6. Changed "Hard Drive Security Frozen" default setting to disabled.</b> <b>7. Added support to SUM upload/delete HTTPS TLS certificate. (Default disabled by TOKEN "Sum_UploadTlsKey_SUPPORT")</b> <b>8. Disabled EFI iSCSI support.</b>

	<p>9. Path BMC Redfish Host Interface was renamed as ethX for the case where CDN was disabled under Linux OS.</p>
New features	N/A
Fixes	<p>1. Fixed the issue that WHLK TPM 2.0 Supplemental test failed.</p> <p>2. Fixed the issue with SGX settings not getting preserved after updating BIOS. The function cannot support IPMI web updating BIOS.</p> <p>3. Fixed the issue due to which wrong FW version and vendor were shown on Trusted computing page.</p>

**Release Notes from Previous Release(s)**

**1.1 (04/09/2021)**

1. Updated RC 20.P95 for PV RC update.
2. Updated BIOS ACM 1.0.9 and SINIT ACM 1.0.9.
3. Updated SPS 4.4.4.53.
4. Automatically disabled and hid ADDDC with x8 width DIMM.
5. Extended memory DIMM serial number information (Samsung, Micron, Hynix).
6. Enhanced SMC DCPMM feature.
7. Automatically disabled and grayed out ADDDC, UMA-Base Clustering, and mirror mode and enabled NUMA when SGX is enabled.
8. Set relation setup to restore setting after "Factory Mode" is disabled.
9. Removed 4G limit of Intel LAN memory if boot mode is not legacy.
10. Set all OPRON control items to Legacy when boot mode is set to Dual.
11. Updated SATA/sSATA EFI driver to VROC PreOS v7.5.0.1152.
12. Updated BPS firmware to 2.2.0.1553.
13. Set BootGuard to enabled by default.
14. Removed iSCSI option from LAN OPRON item.
15. Removed 4G limit of Intel LAN memory if boot mode is EFI.
16. Set PCH PCIe ASPM to disabled if CPU PCIe global ASPM is disabled.
17. Stopped sending major code 0x2A (no memory ) SEL.
18. Added support for VROC OOB.
19. Changed "SMCI PMem Formset" to "SMCI PMem Configuration".
20. Fixed problem of BIOS initialization showing IPV6 address when IPV6 is disabled in the IPMI GUI.
21. Filtered Dynamic HDD Security pages to patch failure of SUM ChangeBiosCfg.
22. Set AFU to stop if there are no parameters.
23. Fixed mismatch of memory device in IPMI and in BIOS setup when some memory DIMMs are mapped out.
24. Corrected display of IPv6 when IPv6 status is not active.
25. Fixed inability to upload all OOB files on the first BMC boot.
26. Fixed failure of Secure Boot Append/Update Keys.
27. Corrected display of UEFI OS boot option name in BIOS setup.
28. Corrected SMBIOS Type 41 onboard VGA description string to AST2600.
29. Fixed failure of SUT to prompt "Enter User password" screen after setting a password when plugging in SED device.
30. Fixed failure of the HDD security menu to show when more than 6 HDDs are connected on system.
31. Fixed inability of AOC NVMe card to change to VMD mode when setting NVMe switch to VMD.
32. Fixed inability to report onboard LAN MAC address to IPMI when onboard LAN uses 64bit memory resource.
33. Fixed failure of Microsoft HLK certification and TPM 2.0 UEFI Preboot Interface Test on Microsoft Server 2019.
34. Fixed problem with a CPU exception.
35. Fixed failure to hide the SmcSecureErase setup page when no HDD devices are plugged in.
36. Fixed problem of T-states always showing 15 levels even when T-state is disabled.
37. Recalibrated DIMM size when rank is disabled.
38. Corrected memory device number in SMBIOS type 16.

