BIOS Release Notes Form

Product Name	**X12SPi-TF**
Release Version	**1.1**
Release Date	**4/9/2021**
Build Date	**4/9/2021**
Previous Version	**1.0a**
Update Category	**Critical**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Updated RC 20.P95 for PV RC update.** **2. Updated SPS 4.4.4.53.** **3. Updated Intel-Generic-Microcode-20210402_NDA and Intel AE.** **4. Enabled the ability to check when the onboard LAN connection drops.** **5. Fixed the wrong BIOS version showing IPMI after ROT recovery.** **6. Added VROC OOB support.**
New features	**N/A**
Fixes	**1. Fixed a CPU exception that occurs when changing BIOS config with SUM.** **2. Fixed T-states always showing 15 levels even when T-state is disabled.**

	3. Fixed smbios type 16 memory device number.

Revision 1.0a (2021/3/8)
1. Updated 5.22_WhitleyCrb_0ACMS_ICX_058_BETA for PC2 RC update.
2. Updated BIOS ACM 1.0.9 and SINIT ACM 1.0.9.
3. Updated SPS 4.4.51.
4. Fixed inability of the system to boot into PXE with DVD installed.
5. Kept setup string of BiosVersion, BiosDate, Manufacturer, and Product as default value including modification of AmiBcp.
6. Kept value of setup string of Manufacturer and Product according to priority "modification of AmiBcp, FUR1, and then SMBIOS Table".
7. Updated Intel-Generic-Microcode-20210226a_NDA and Intel AE.
8. Automatically disabled and hid ADDDC with x8 width DIMM.
9. Extended memory DIMM serial number information (Samsung, Micron, Hynix).
10. Enhanced SMC DCPMM feature.
11. Automatically disabled and grayed out ADDDC, UMA-Base Clustering, and mirror mode and enabled NUMA when SGX is enabled.
12. Set relation setup to restore setting after "Factory Mode" is disabled.
13. Removed 4G limit of Intel LAN memory if boot mode is not legacy.
14. Set all OPROM control items to Legacy when boot mode is set to Dual.
15. Updated SATA/sSATA EFI driver to VROC PreOS v7.5.0.1152.
16. Updated BPS firmware to 2.2.0.1553.
17. Set BootGuard to enabled by default.
18. Corrected BIOS version that shows in IPMI after ROT recovery of previous version of BIOS
10. Fixed inability to upload all OOB files on the first BMC boot.
11. Fixed failure of Secure Boot Append/Update Keys.
12. Corrected display of UEFI OS boot option name in BIOS setup.
13. Corrected SMBIOS Type 41 onboard VGA description string to AST2600.
14. Fixed failure of SUT to prompt "Enter User password" screen after setting a password when plugging in SED device.
15. Fixed failure of the HDD security menu to show when more than 6 HDDs are connected on system.
16. Fixed inability of AOC NVMe card to change to VMD mode when setting NVMe switch to VMD.
17. Fixed inability to report onboard LAN MAC address to IPMI when onboard LAN uses 64bit memory resource.

Revision 1.0 (2020/12/03)
First release.