BIOS Release Notes Form

Product Name	**X12SPi-TF**
Release Version	**1.0a**
Release Date	**3/8/2021**
Build Date	**3/8/2021**
Previous Version	**1.0**
Update Category	**Critical**
Dependencies	**None**
Important Notes	**None**
Enhancements	**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.
New features	N/A
Fixes	1. Fixed problem of "Configuration Address Source" always showing "DHCP" on IPMI IPv6 page. 2. Modified IPv6 behavior and removed error message when IPv6 router IP is ::::::. 3. Corrected display of IPv6 status after updating BIOS. 4. Corrected display of IPv4 address source status after updating BIOS. 5. Fixed problem of BIOS initialization showing IPV6 address when IPV6 is disabled in the IPMI GUI. 6. Filtered Dynamic HDD Security pages to patch failure of SUM ChangeBiosCfg. 7. Set AFU to stop if there are no parameters. 8. Fixed mismatch of memory device in IPMI and in BIOS setup when some memory DIMMs are mapped out. 9. Corrected display of IPv6 when IPv6 status is not active.

	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.

Release Notes from Previous Release(s)