BIOS Release Notes Form

Product Name	**H12SSG-AN6**
Release Version	**2.3**
Release Date	**10/22/2021**
Build Date	**10/22/2021**
Previous Version	**2.2**
Update Category	**Recommended**
Dependencies	**IPMI firmware R 00.00.29**
Important Notes	**BIOS Image:** **BIOS_H12SSG-1C2C_20211022_2.3_STDsp.bin** **BIOS Update Package:** **BIOS_H12SSG-1C2C_20211022_2.3_STDsp.zip**
Enhancements	1. **Changed BIOS revision to 2.3.** 2. **Updated AGESA RomePI to 1.0.0.C.** 3. **Exposed Setup item "Enhanced Preferred IO Mode".** 4. **Updated AGESA MilanPI to 1.0.0.6.** 5. **Patched case of BMC Redfish Host Interface being named ethX when CDN is disabled under Linux OS.** 6. **Disabled EFI iSCSI support.** 7. **Exposed Setup items "BankGroupSwapAlt", "SEV-SNP Support", "Enhanced Preferred IO Mode", and "Root Complex 0x00~0xE0 LCLK Frequency".** 8. **Changed default of "Wait For "F1" If Error" to Disable.** 9. **Updated B0 Milan microcode 0x0A00104C, B1 Milan microcode 0x0A001143, and B2 Milan-X microcode 0x0A001223 to patch Erratum #1381 problem of processor hanging when coherency probe hits instruction cache line while evicted.**
New features	**N/A**
Fixes	**N/A**

2.2 (7/31/2021)

1. Changed BIOS revision to 2.2.
2. Set all OPROM control items to Legacy when boot mode is set to Dual.
3. Added Redfish/SUM Secure Boot feature and updated OOB for secure boot and reserve key.
4. Removed legacy iSCSI support of H12 BIOS.
5. Added force next boot to UEFI Shell support.
6. Added support for SUM upload/deletion of HTTPS TLS certificate (default enabled by TOKEN "Sum_UploadTlsKey_SUPPORT").
7. Set Relaxed Ordering default to Enabled.
8. Updated AGESA MilanPI to 1.0.0.4.
9. Updated A010 GN B0 microcode 0A001046, A011 GN B1 microcode 0A001137, and A012 GN B2 microcode 0A00121D.
10. Updated AGESA RomePI to 1.0.0.C.
11. Fixed inability of SUM to modify AMD CBS settings.
12. Fixed missing sensor information on IPMI WebGUI.

2.0 (5/05/2021)

Initial Release