

# BIOS Release Notes Form

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Product Name	H12DSG-Q-CPU6
Release Version	3.0
Release Date	10/10/2024
Build Date	10/10/2024
Previous Version	2.8
Update Category	Recommended
Dependencies	IPMI firmware 01.05.00
Important Notes	<p>ECO #30792 BIOS image: BIOS_H12DSGQ-1C11_20241010_3.0_STDsp.bin BIOS Update package: BIOS_H12DSGQ-1C11_20241010_3.0_STDsp.zip</p> <p>Notes:</p> <ol style="list-style-type: none"><li>1) BIOS R2.x supports 7002 and 7003 processors.</li><li>2) The Flash Utility in the package only supports updating BIOS R1.x to R2.x. Rolling back is not allowed.</li><li>3) The default boot mode for BIOS R2.x has been changed to EFI. If your OS is legacy, press the <b>&lt;Del&gt;</b> key during POST to enter the BIOS setup and change boot mode after upgrading from R1.x to R2.x.</li></ol>
Enhancements	<ol style="list-style-type: none"><li>1. Updated BIOS revision to 3.0.</li><li>2. Updated RomePI to 1.0.0.J.</li><li>3. Updated MilanPI to 1.0.0.E.</li><li>4. Updated Microcodes for Milan and Rome.</li></ol>
New features	N/A
Fixes	<ol style="list-style-type: none"><li>1. Fixed issue where the SMT option could not be changed.</li><li>2. Fixed issue where the NPS option could not be changed.</li><li>3. Fixed issue where DMI information was not preserved after loading LoadDefaultBiosCfg.</li><li>4. Fixed issue where the IPMI boot option could not be set to "OS image mount."</li></ol>

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

**2.8 (2024/02/08)**

1. Updated BIOS revision to 2.8.
2. Updated RomePI to 1.0.0.H.
3. Updated MilanPI to 1.0.0.C.
4. Updated Microcodes for Milan and Rome.
5. Updated SA50216\_Supplement (LogoFAIL Vulnerability).

**2.7a (2023/12/18)**

1. Updated BIOS revision to 2.7a.
2. Updated Rome AGESA to 1.0.0.G.
3. Updated Milan AGESA to 1.0.0.B.
4. Updated SEV firmware to version 1.55.16 (Hex 1.37.10 SPL = 0x14).
5. Updated Redfish module.
6. Fixed issue where ECC error displayed wrong DIMM location in BIOS log.
7. Fixed issue where system hung on POST code 0x92 in cold boot.
8. Fixed issue where SMT Control didn't work.

**2.6a (2023/10/05)**

1. Changed BIOS revision to 2.6a.
2. Updated Milan B0 and B1 stepping CPU microcodes (0x0A001079 and 0x0A0011D1) and Milan-X B2 stepping CPU microcode (0x0A001234) for AMD-SB-7005 Security Bulletin to address the CVE-2023-20569 issue.
3. Updated Rome AGESA to 1.0.0.F.
4. Updated ROME microcode for AMD-SB-7008.
5. Changed OPROM setting name to match cable mapping.
6. Updated Milan AGESA to 1.0.0.A.
7. Added "Onboard Video Option ROM" setting.
8. Fixed issue where PSU information could not be read in SMBIOS type 39 after a BMC reset.
9. Fixed issue where LoadDefaultBiosCfg failed with no hard drives were installed.
10. Fixed issue where HttpBoot did not reset after reboot.
11. Fixed issue where AOC RAID legacy OPROM could not load.

**2.5b (2023/04/21)**

1. Changed BIOS revision to 2.5b.
2. Added AOM to type9 info.
3. Fixed issue where AOM-PTG-i2T LAN would drop after the system was turned on and off.
4. Fixed issue where the system could not boot with legacy PXE when AOM-PTG-i2T was installed.
5. Fixed issue where MAC address of OBL did not show in Web GUI when AOM-PTG-i2T was installed.

**2.5 (2022/11/25)**

1. Changed BIOS revision to 2.5.
2. Updated Milan AGESA to 1.0.0.9.
3. Updated Rome AGESA to 1.0.0.E.
4. Changed "SMCI" strings to "Supermicro.".
5. Fixed issue where BIOS could not be recovered by using ROT.
6. Fixed issue where IPMICFG couldn't change boot options.
7. Fixed issue where type 1 and type 3 information could not be restored from FRU.
8. Fixed issue where NUMA setting could not be changed by SUM.
9. Fixed issue of settings could not be dumped with no hard drives in the system.
10. Corrected DIMM mappings for UECC/CECC.

**2.4 (2022/07/29)**

1. *Changed BIOS revision to 2.4.*
2. *Updated Milan AGESA to 1.0.0.8.*
3. *Updated microcode for Errata #1415.*
4. *Added SMC KMS feature.*
5. *Updated Rome AGESA to 1.0.0.D.*
6. *Fixed issue where BMC static IP could not be set by BIOS.*
7. *Fixed issue of BIOS recovery.*

**2.3a (2022/05/10)**

1. *Changed BIOS revision to 2.3a.*
2. *Added bifurcation settings for Rome.*
3. *Added EDC settings for Milan-X CPU validation.*
4. *Updated Milan AGESA to 1.0.0.7.*
5. *Fixed issue where fixed boot order would reset to default after installing OS.*
6. *Enhanced KCS algorithm.*

**2.3 (2021/10/18)**

1. *Changed BIOS revision to 2.3.*
2. *Supported secure boot redfish interface.*
3. *Supported SUM TLS certificate upload.*
4. *Supported SUM SetHttpBoot.*
5. *Updated AGESA MilanPI to 1.0.0.6.*
6. *Supported Milan-X CPU.*
7. *Updated CPU microcode.*
8. *Enhanced OEMFID information.*
9. *Updated AGESA RomePI to 1.0.0.C.*
10. *Updated microcode for Milan erratum 1381.*
11. *Fixed issue of TPM was disabled by default.*
12. *Fixed issue of system would boot loop if a TPM is disabled.*
13. *Fixed issue of DMI type 39 info was not filled in after cold booting.*

**2.1 (2021/07/07)**

1. *Added more OOB settings.*
2. *Added support for Redfish boot option management API.*
3. *Fixed issue of the system UUID generating incorrectly if multiple LAN cards are installed.*

**2.0c (2021/06/14)**

1. *Added "Correctable Error Threshold" and "PCI AER" setting.*
2. *Added support for SUM 2.6 SetHttpBoot.*
3. *Removed UEFI NVMe boot option group.*

**2.0b (2021/05/20)**

1. *Added "Memory Corrected Error Enabling" setting.*
2. *Corrected boot order.*
3. *Corrected setting of serial over LAN module.*

**2.0a (2021/05/06)**

1. Added timestamp data to SMBIOS type1 data.
2. Fixed in-band update.
3. Fixed type9 slot names.
4. Reported number of NVMe to CPLD.
5. Fixed version number reading in \$FID.
6. Removed AOM info from type9.
7. Updated Product Name in DMI table type 2.
8. Fixed USB device detection for JUSB1.
9. Rebuilt BIOS for Rome to have the same build date as Milan.

**2.0 (2021/04/07)**

1. Changed BIOS revision to 2.0.
2. Updated AGESA MilanPI to 1.0.0.1.
3. Updated AGESA RomePI to 1.0.0.A.
4. Adjusted SMBIOS type9/40 information.
5. Adjusted hotplug function for NVMe/SATA backplane.
6. Added bifurcation setting for slots 1, 3, 4, and 5.
7. Fixed SMBIOS Type 39 PSU reading procedure.
8. Fixed issue of BIOS hanging at postcode 94 when plugging in AOC-STG-I2T while GPU board is connected to system.
9. Fixed issue with BIOS ECO TC221.
10. Fixed inability to change CPU settings.
11. Fixed issue of SMSTC reporting "filesize out of range" in testing.
12. Fixed issue of BIOS boot order showing duplicate entries and no additional information.
13. Fixed issue of no sensors showing with dual image BIOS.
14. Fixed failure of AOM to appear in network devices section of WebGUI.
15. Fixed duplicate setting on PCIe/PCI/PNP configuration menu.
16. Fixed failure of MAC address on board LAN1/2 to appear on WebGUI.

**1.0a (2020/12/06)**

1. Changed BIOS revision to 1.0a.
2. Enabled LPC TPM.
3. Fixed preservation of DMI when updating BIOS.
4. Fixed SUM test case 220.

**1.0 (2020/10/28)**

First release.