

BIOS Release Notes Form

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Product Name	X12DGO-6
Release Version	1.9 SPS: 4.4.4.603
Build Date	04/02/2024
Previous Version	1.8 SPS: 4.4.4.603
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	1. Applied changes to support MCX653436A-HDAB, AOC-AH25G-m2S2TM, and AOC-AG-i4SM. 2. Applied SA50216 supplement.
New features	None
Fixes	None

Release Notes from Previous Release(s)

1.8 SPS: 4.4.4.603 (01/17/2024)

1. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), RC.
2. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), SPS.
3. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), ACM.
4. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), SINIT.
5. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), CPU 606A6 Microcode.
6. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), Intel VROC UEFI.
7. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), Intel PMEM UEFI.
8. Updated MMIO High Granularity Size to account for 80GB GPU.

1.5 SPS: 4.4.4.301 (4/25/2023)

1. Updated Intel BKC to 2023.2 IPU-PV(KIT#768568) PLR3 Out Of Band (OOB), RC
2. Updated Intel BKC to 2023.2 IPU-PV(KIT#768568) PLR3 Out Of Band (OOB), SPS
3. Updated Intel BKC to 2023.2 IPU-PV(KIT#768568) PLR3 Out Of Band (OOB), ACM
4. Updated Intel BKC to 2023.2 IPU-PV(KIT#768568) PLR3 Out Of Band (OOB), SINIT
5. Updated Intel BKC to 2023.2 IPU-PV(KIT#768568) PLR3 Out Of Band (OOB), CPU 606A6 Microcode
6. Updated Intel BKC to 2023.2 IPU-PV(KIT#768568) PLR3 Out Of Band (OOB), Intel VROC UEFI
7. Updated Intel BKC to 2023.2 IPU-PV(KIT#768568) PLR3 Out Of Band (OOB), Intel PMEM UEFI

1.4b (1/9/2023)

1. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), RC.
2. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), SPS.
3. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), ACM.
4. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), SINIT.
5. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), CPU 606A6 Microcode.
6. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), Intel VROC UEFI.
7. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), Intel PMEM UEFI.
8. Updated BIOS revision to 1.4b.
9. Fixed NVMe hotplug functionality on ports 2 and 3.
10. Fixed error where Factory Mode cannot be set.
11. Fixed NVMe4 and NVMe5 hotplug.

1.4a (10/25/2022)

1. Updated Intel BKC to 2022_WW40(KIT #743788) PLR3, RC.
2. Updated Intel BKC to 2022_WW40(KIT #743788) PLR3, SPS.
3. Updated Intel BKC to 2022_WW40(KIT #743788) PLR3, ACM.
4. Updated Intel BKC to 2022_WW40(KIT #743788) PLR3, SINIT.
5. Updated Intel BKC to 2022_WW40(KIT #743788) PLR3, CPU 606A6 Microcode.
6. Updated Intel BKC to 2022_WW40(KIT #743788) PLR3, Intel VROC UEFI.
7. Updated Intel BKC to 2022_WW40(KIT #743788) PLR3, Intel PMEM UEFI.

1.4 (9/15/2022)

1. Updated Intel BKC to 2022_WW23(KIT #732569), RC.
2. Updated Intel BKC to 2022_WW23(KIT #732569), SPS.
3. Updated Intel BKC to 2022_WW23(KIT #732569), ACM.
4. Updated Intel BKC to 2022_WW23(KIT #732569), SINIT.
5. Updated Intel BKC to 2022_WW23(KIT #732569), CPU 606A6 Microcode.
6. Updated Intel BKC to 2022_WW23(KIT #732569), Intel VROC UEFI.
7. Updated Intel BKC to 2022_WW23(KIT #732569), Intel PMEM UEFI.
8. Exposed Link Retrain per port in the BIOS.
9. Exposed CPU1 information in the BIOS.
10. Exposed PCH VMD in the BIOS to enable M.2 RAID.

1.1b (11/10/2021)

1. Updated Intel BKC to 2021_WW39 (KIT #653811), RC.
2. Updated Intel BKC to 2021_WW39 (KIT #653811), SPS.
3. Updated Intel BKC to 2021_WW39 (KIT #653811), ACM.
4. Updated Intel BKC to 2021_WW39 (KIT #653811), SINIT.
5. Updated Intel BKC to 2021_WW39 (KIT #653811), CPU 606A6 Microcode.
6. Updated Intel BKC to 2021_WW39 (KIT #653811), Intel VROC UEFI.
7. Updated Option ROM for NULL UEFI driver.

1.1a (7/16/2021)

1. Changed BIOS revision to 1.1a.
2. Updated Intel BKC to 2021_WW24 (KIT #642595), RC.
3. Updated Intel BKC to 2021_WW24 (KIT #642595), SPS.
4. Updated Intel BKC to 2021_WW24 (KIT #642595), ACM.
5. Updated Intel BKC to 2021_WW24 (KIT #642595), SINIT.
6. Updated Intel BKC to 2021_WW24 (KIT #642595), CPU 606A6 Microcode.
7. Fixed inability to detect TPM1.2 when TXT is enabled.

1.1 (5/24/2021)

1. Changed BIOS revision to 1.1.
2. Updated Intel BKC to 2021_WW15 (KIT #638738).
3. Optimized X550 AIOM.
4. Added support for updating BPS firmware in BIOS.
5. Added support for OPROM control over Boot Mode.

1.0b (3/11/2021)

1. Changed BIOS revision to 1.0b.
2. Updated Intel BKC to 2021_WW06 (KIT #1002305).
3. Updated 250 microcode for CPU 606A6.
4. Added support for identifying D-stepping CPU as D0/D1/D2.
5. Fixed issue with NVMe hotplug.
6. Fixed inability of Linux to boot when enabling PCH NVMe in VMD mode.

1.0a (1/21/2021)

1. *Changed BIOS revision to 1.0a.*
2. *Updated Intel BKC to WW51'20.*
3. *Reworked BIOS template to match version 0.8.*
4. *Reworked VMD settings page.*
5. *Restored USB 2.0 and 3.0 settings to pass IOBP test.*

Product Manager

Date