

# BIOS Release Notes Form

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| <b>Product Name</b>     | <b>X12DGQ-R</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Release Version</b>  | <b>1.9 SPS: 4.4.4.603</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Build Date</b>       | <b>01/11/2024</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Previous Version</b> | <b>1.6 SPS: 4.4.4.500</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Update Category</b>  | <b>Recommended</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Dependencies</b>     | <b>None</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Important Notes</b>  | <b>None</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Enhancements</b>     | <ol style="list-style-type: none"><li>1. Updated BIOS revision to 1.9.</li><li>2. Applied SA50216 supplement.</li><li>3. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), RC.</li><li>4. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), SPS.</li><li>5. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), ACM.</li><li>6. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), SINIT.</li><li>7. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), CPU 606A6 Microcode.</li><li>8. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), Intel VROC UEFI.</li><li>9. Updated Intel BKC to 2024.1 IPU-PV(KIT#791469), Intel PMEM UEFI.</li></ol> |

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|---------------------|----------------------------------------------------------------|
| <b>New features</b> | <b>None</b>                                                    |
| <b>Fixes</b>        | <b>1. Fixed the ATT BIOS Combine ECO TC 1038 failed issue.</b> |

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

##### **1.6 SPS: 4.4.4.500 (07/07/2023)**

1. Updated Intel BKC to 2023.3 IPU-PV(KIT#778442), RC.
2. Updated Intel BKC to 2023.3 IPU-PV(KIT#778442), SPS.
3. Updated Intel BKC to 2023.3 IPU-PV(KIT#778442), ACM.
4. Updated Intel BKC to 2023.3 IPU-PV(KIT#778442), SINIT.
5. Updated Intel BKC to 2023.3 IPU-PV(KIT#778442), CPU 606A6 Microcode.
6. Updated Intel BKC to 2023.3 IPU-PV(KIT#778442), Intel VROC UEFI.
7. Updated Intel BKC to 2023.3 IPU-PV(KIT#778442), Intel PMEM UEFI.
8. Fixed ATT BIOS ECO TC#2020 will be failed.
9. Updated SMIBOS Type 17 Memory Manufacturers' name.
10. Adjusted GPIO E9 for AOM-PTG-I2T.
11. Fixed ATT BIOS ECO TC#2020 will be failed.

##### **1.4b SPS: 4.4.4.301 (1/5/2023)**

1. Updated Intel BKC to 2022\_WW46 (IPU 2023.1), RC.
2. Updated Intel BKC to 2022\_WW46 (IPU 2023.1), SPS.
3. Updated Intel BKC to 2022\_WW46 (IPU 2023.1), ACM.
4. Updated Intel BKC to 2022\_WW46 (IPU 2023.1), SINIT.
5. Updated Intel BKC to 2022\_WW46 (IPU 2023.1), CPU 606A6 Microcode.
6. Updated Intel BKC to 2022\_WW46 (IPU 2023.1), Intel PMEM UEFI.

##### **1.4a (10/11/2022)**

1. Updated 5.22\_WhitleyCrb\_0ACMS\_ICX\_73 Intel BKCWW40 PLR3 OOB.
2. Updated Intel BKC to 2022\_WW40(KIT #743788), CPU 606A6 Microcode 0D00037B.
3. Updated Intel BKC to 2022\_WW40(KIT #743788), Intel PMEM UEFI 2.0.0.3887.
4. Added support for NVMe mode switch option.

##### **1.2 (04/12/2022)**

1. Updated Intel BKC to 2021\_WW52 (KIT #709738), RC
2. Updated Intel BKC to 2021\_WW52 (KIT #709738), SPS
3. Updated Intel BKC to 2021\_WW52 (KIT #709738), ACM
4. Updated Intel BKC to 2021\_WW52 (KIT #709738), SINIT
5. Updated Intel BKC to 2021\_WW52 (KIT #709738), CPU 606A6 Microcode
6. Updated Intel BKC to 2021\_WW52 (KIT #709738), Intel PMEM UEFI

7. Rolled back VROC SATA/sSATA EFI driver to VROC PreOS v7.6.0.1012 to fix system hang when VMD is enabled.

**1.1b (11/01/2021)**

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. Added SMC DIMM bar code info to SMBIOS type 17 serial number field.
7. Updated SMBIOS TYPE 39 Location string to "PSU1/2".
8. Fixed failure of ATT TC#220 with SUM 2.7.0 and IPMI firmware flag New\_HII 00.01.

**1.1a (7/16/2021)**

1. Updated Intel BKC to 2021\_WW24 (KIT #642595), RC.
2. Updated Intel BKC to 2021\_WW24 (KIT #642595), SPS.
3. Updated Intel BKC to 2021\_WW24 (KIT #642595), ACM.
4. Updated Intel BKC to 2021\_WW24 (KIT #642595), SINIT.
5. Updated Intel BKC to 2021\_WW24 (KIT #642595), CPU 606A6 Microcode.
6. Changed MMIO High Granularity Size default value to 256G.
7. Added PCIe slot power limit.

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Product Manager

Date