

BIOS Release Notes Form

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Product Name	X12DSC-6
Release Version	2.1 SPS: 4.4.4.603
Build Date	07/04/2024
Previous Version	1.6
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Updated kernel to 5.22_WhitleyCrb_0ACMS_ICX_079_BETA (2024.3 IPU).2. Applied AMI SA50232 to address below security vulnerability.3. Applied SA50218 supplement (Vulnerability in EDK2 NetworkPkg).4. For SA50243 (CVSS3.1 (7.5, High)), fixed that UsbRtSmm module has a TOCTOU vulnerability.
New features	None
Fixes	<ol style="list-style-type: none">1. Resolved IPMI PXE boot fails after installing OS.2. Resolved boot order cannot be adjusted by AMI SCE.

Release Notes from Previous Release(s)

1.6 SPS: 4.4.4.500 8/11/2023

1. Updated BIOS revision to 1.6.
 2. Updated 5.22_WhitleyCrb_OACMS_ICX_076_BETA (IPU-PV 2023.3).
 3. Changed the strings from "Lock mode" to "Lockdown mode".
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1. Fixed ENERGY_PERF_BIAS_CFG Mode item change to default after SUM update BIOS with --preserve_setting command.

1.4b SPS: 4.4.4.301 (1/24/2023)

1. Updated 5.22_WhitleyCrb_OACMS_ICX_74 Intel BKCWW46 IPU2023.1, please check header for firmware revisions.
 2. Updated Intel Server Platform Services for Whitley Server Platforms IPU2023.1 4.4.4.301
 3. Updated VROC SATA/sSATA EFI driver to VROC PreOS v7.8.0.1012
 4. Updated M.2 slot BDF for OPRM control and SMBIOS BDF by following AOM silkscreen.
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1. Fixed an issue where memory errors were not being reported in the SMBIOS event log.

1.4 (7/12/2022)

1. Updated SmcOOB to the version "_SMCOOBV1.01.25_" to fix the unexpected system-resetting when loading NVRAM defaults.
2. Updated 5.22_WhitleyCrb_OACMS_ICX_72.1 Intel BKCWW23 PLR3.
3. Updated VROC SATA/sSATA EFI driver to VROC PreOS v7.7.6.1004 to adress INTEL-TA-00692.
4. Added support for IPMI PXE boot to all LAN ports feature for both Legacy and UEFI PXE.
5. Added Link Retrain per port item in BIOS.

1.2 (3/5/2022)

1. Updated AMI 5.22_WhitleyCrb_OACMS_ICX_070 RC27P56 to BKC 2021_WW52 (PLR1 HF).
2. Added flag [Preserve BIOS Boot Options Configuration] controlled by BMC/SUM.
3. Changed string "VMX" to "Intel Virtualization Technology".
4. Change BIOS revision to 1.2.
5. Removed 1G option from MMCFG base to avoid system hang.
6. Fixed the SMBIOS event log ERROR CODE which is not displaying correctly under BIOS menu issue (EFI error type).
7. Fixed SpeedStep (P-States) setting, changed when its default setting is set to Disable, and load BIOS defaults in Setup.
8. Fixed COM port resource that can't be changed and item's behavior failure.

1.1a (7/21/2021)

1. Updated 5.22_WhitleyCrb_OACMS_ICX_066_BETA Intel BKCWW24 2021 PV MR4.
2. Updated Dx/Mx microcode from Intel-Generic-Microcode-20210701_NDA.

3. Updated SmcOOB module to 1.01.24 to support SUM clean SMBIOS Event log through BiosCfg header flag.
4. Corrected firmware version and vendor on Trusted Computing page.

Product Manager

Date