

BIOS Release Notes Form

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Product Name	X12SPG-NF
Release Version	1.6
Release Date	08/22/2023
Build Date	08/22/2023
Previous Version	1.4b
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Updated 5.22_WhitleyCrb_0ACMS_ICX_076_BETA (IPU-PV 2023.3).2. Updated BMC/BMC Network Configuration page IPv6 DNS/DNS2 setting.3. Changed strings from "Lock mode" to "Lockdown mode".4. Updated Intel Server Platform Services for Whitley Server Platforms IPU2023.3 4.4.4.500 to address INTEL-SA-00718 CVE-2022-36348 (8.8 High).5. Fixed ENERGY_PERF_BIAS_CFG Mode item changing to default after SUM update BIOS with the "--preserve_setting" command.
New features	N/A

Fixes	<ol style="list-style-type: none"> 1. Fixed incorrect total memory size on setup if installing six memory. 2. Fixed memory being still mapped out because of UECC even after AC cycle. 3. Fixed the issue that SMBIOS Type0 System Family change could not be preserved after clearing CMOS.
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Release Notes from Previous Release(s)

1.4b (1/09/2023)

1. Updated 5.22_WhitleyCrb_OACMS_ICX_74 Intel BKCWW46 IPU2023.1, please check header for firmware revisions.
2. Added enhancements to address the issue with SUM TC: 220/271/356/457/2071/3056/4057 with Windows OS, which caused the boot order compare fail after flashing the BIOS.
3. Updated SA50157 Boot_Variables_Access.
4. Updated SEL for processor error.
5. Updated Intel Server Platform Services for Whitley Server Platforms IPU2023.1 4.4.4.301.

1.4 (7/13/2022)

1. Updated BIOS version to 1.4.
2. Updated 5.22_WhitleyCrb_OACMS_ICX_72 Intel BKCWW23 PLR3; INTEL-SA-00657 Security Advisory to address CVE-2022-21233 (6.0, Medium) security issue and INTEL-SA-00686 Security Advisory to address CVE-2021-33060 (7.8, High) security issue.
3. Updated VROC SATA/sSATA EFI driver to VROC PreOS v7.7.6.1004 to address INTEL-TA-00692. CVE-2022-29919 (7.8 High), CVE-2022-30338 (6.7 Medium), CVE-2022-29508 (6.3 Medium), CVE-2022-25976 (5.5 Medium). Updated VROC SATA/sSATA legacy driver to VROC PreOS v6.3.5.1003 Hot Fix to fix 10TB or higher volume drive issue.
4. Added "CSM Support" setup item into the SMCISBForm page.
5. Updated microcode M87606A6_0D000375 to address the following two issues: INTEL-SA-00657 Security Advisory to address CVE-2022-21233 (6.0, Medium) security issue and INTEL-SA-00686 Security Advisory to address CVE-2021-33060 (7.8, High) security issue.
6. If the FRU0 chassis type is not 1 or 2, synchronize the FRU0 chassis type to SMBIOS type 3.
7. Exposed Link Retrain per port in the BIOS.

1.2 (2/15/2022)

1. Updated AMI 5.22_WhitleyCrb_OACMS_ICX_070_BETA RC27P52 for BKC 2021_WW52 (PLR1), and RC27P56 for PLR1 HF.
2. Changed text string "VMX" to "Intel Virtualization Technology".
3. Removed 1G option from MMCFG base to avoid system hang.
4. Fixed the SMBIOS event log ERROR CODE that is not displaying correctly under BIOS menu (EFI error type).

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

1.1c (11/12/2021)

1. Updated 5.22_WhitleyCrb_OACMS_ICX_069 Beta Intel BKCWW39 2021 PV MR7, please check header for firmware revisions.
2. Updated Dx/Mx microcode from Intel-Generic-Microcode-20210927_NDA.
3. Extended NVMe OPRM control options to 24 slots.
4. Enabled shutdown suppression and log MCA IERR to fix crash dump error.
5. Removed default support for the certificates CA-Cert, Client-Cert, and Private-Key.
6. Added multiple KMS servers support for SmcKMS.
7. Allowed COM port parameters to be changed in the BIOS settings.
8. Updated BMC boot status to indicate that the ROM is being flashed at a different memory location.
9. Updated SmcOutBand in SmcPKG/Module/SmcOOB to allow the DMI data to be stored when executing "SUM -c LoadDefaultBiosCfg".

1.0 (8/31/2021)

Initial release.