BIOS Release Notes Form

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Product Name	**X11DPG-SN**
Release Version	**3.8b SPS: 4.1.4.901**
Build Date	**01/13/2023**
Previous Version	**3.8a**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Changed BIOS revision to 3.8b.** **2. Updated AMI label 5.14_PurleyCrb_0ACLA058 for RC0626.P01 IPU 2023.1** **a. For INTEL-SA-00717 Security Advisory to address CVE-2022-32231 (7.5, High) / CVE-2022-26343 (8.2, High) security issues.** **3. Updated token RC_VERSION_VALUE setting to 0626.P01.** **4. Updated Cascade Lake-SP CPU PV microcode for IPU 2023.1.** **5. Updated VROC SATA/sSATA EFI driver to VROC PreOS v7.8.0.1012.**
New features	**None**
Fixes	**None**

Release Notes from Previous Release(s)

3.8a (11/2/2022)

1. *Updated AMI label 5.14_PurleyCrb_0ACLA057 for RC0623.D09 2022.3 IPU to address INTEL-SA-00688. CVE-2022-26343(8.2 High)*
2. *Updated AEP uEFI driver to 01.00.00.3536 for IPU2022.3.*
3. *Updated Skylake-SP/Cascade Lake-SP CPU PC microcode for IPU 2022.2.*
4. *Modified string from SMCI to Supermicro.*
5. *Updated BIOS ACM 1.7.54, SINIT ACM 1.7.55 PW for IPU2022.1 to address.*

3.6 (01/26/2022)

1. *Changed BIOS revision to 3.6.*
2. *Updated 5.14_PurleyCrb_0ACLA054 for RC update and 2021.2 IPU PV.*
3. *Updated Skylake-SP/Cascade Lake-SP CPU PC microcode from IPU2021.2.*
4. *Updated SPS 04.01.04.601.*
5. *Updated Intel BIOS ACM Firmware to v1.7.51 and SINIT ACM Firmware to v1.7.51.*
6. *Disabled Intel Boot Guard.*

3.5 (09/24/2021)

1. Updated BIOS version to 3.5.
2.Updated 5.14_PurleyCrb_0ACLA053 for RC update and 2021.1 IPU PV.
3. Updated Skylake-SP/Cascade Lake-SP CPU PC microcode from IPU2021.1.
4. Updated SPS 04.01.04.505.
5. Updated Intel BIOS ACM Firmware to v1.7.43 (20201216) and SINIT ACM Firmware to v1.7.4A (20201216).

3.4 (12/18/2020)

1. Changed BIOS revision to 3.4.
2. Updated 5.14_PurleyCrb_0ACLA052 for RC update and 2020.2 IPU PV to address Intel-TA-00358: CVE-2020-0587 (6.7, Medium), CVE-2020-0591 (6.7, Medium), CVE-2020-0592 (3, Low), and Intel-TA-00390: CVE-2020-0593 (4.7, Medium), CVE-2020-8738 (7.5, High), CVE-2020-8739 (4.6, Medium), CVE-2020-8740 (6.7, Medium), and CVE-2020-8764 (8.7, High) security issues.
3. Updated Skylake-SP/Cascade Lake-SP CPU PV microcode from 20200918_NDA Release to address Intel-TA-00381: CVE-2020-8696 (2.5, Low) security issue, MD_Clear Errata, MOB Speedpath, and IRR Restore with RS Throttle (ITR #2).
4. Updated SPS 4.1.4.423 to address Intel-TA-00391: CVE-2020-8755 (4.6, Medium) and CVE-2020-8705 (7.1, High) security issues.
5. Updated Intel BIOS ACM firmware to v1.7.41 (20200406) and SINIT ACM Firmware to v1.7.49 (20200406).
6. Updated "MMIO High-Granularity Size" to 1024G to support NVidia A100 GPU.
7. Fixed failure of IOBP check.
8. Fixed failure of BIOS ECO ATT test on SUM Test Case 220.

3.3 (2/24/2020)

1. Changed BIOS revision to 3.3.
2. Updated Intel Server Platform Services 4.1.4.381 for Purley-Refresh Platforms.
3. Updated Intel Reference Code to IPU2020.1 Rev: RC0602.D02.

4. Updated Intel BIOS ACM firmware to v1.7.40 (20190909) and SINIT ACM firmware to v1.7.48 (20191029).
5. Downgraded memory Patrol Scrubbing UC errors to correctable errors.
6. Added SMC HDD Security feature.
7. Updated Skylake-SP/Cascade Lake-SP CPU microcode from Intel-Restricted-2020-1-IPU limit beta for INTEL-SA-00317 Security Advisory to address CVE-2019-14607 (5.3, Medium) security issue and for INTEL-SA-00289 Security Advisory to address CVE-2019-11157 (7.9, High) security issue.
8. Added support for Driver Health.

3.2 (11/7/2019)

1. Updated BIOS version to 3.2.
2. Updated Intel Skylake-SP H0 Microcode to 02000065.
3. Updated Intel Cascadelake-SP B0 Microcode to 0400002C.
4. Updated Intel Cascadelake-SP B1 Microcode to 0500002C.
5. Updated Intel Server Platform Services 04.01.04.339.0 for Purley-Refresh Platforms.
6. Displayed third revision number for IPMI Firmware.
7. Updated Intel BIOS ACM Firmware to v1.7.3 (20190712) and SINIT ACM Firmware to v1.7.45 (20190710).
8. Updated Intel Reference Code to BKC WW36 Rev: RC0595.D04.
9. Disabled ADDDC/SDDC and set PPR as hPPR.
10. Added Enhanced PPR function and set disabled as default.
11. Fixed problem of F12 PXE boot causing DMI data to return to default value.

3.1a (10/1/2019)

1. Updated BIOS revision to 3.1a.
2. Fixed failure of SIOM AOC-MPGi4 i350 UEFI Option ROM to load.
3. Fixed failure of NVMe VPP to power up after AC turns off.
4. Fixed problem of NVMe drives ejecting when booting into OS.

3.1 (5/10/2019)

1. Updated BIOS revision to 3.1.
2. Updated microcode to 24.
3. Updated for Nvidia P2P.
4. Set RomLayout to original.
5. Set enabled "PCIe Hot Plug" as BIOS setup default.
6. Set SDDC Plus One or SDDC to disabled by default.
7. Fixed problem of GEN dropping and AER event being found during cburn on/off on 100G compatibility test.
8. Fixed failure to run SUM IPMI ECO test.
9. Fixed malfunction of UEFI network boot device.

3.0a (1/15/2019)

1. Added support for Purley Refresh platform.
2. Updated BIOS revision to 3.0a.
3. Fixed malfunction of auto bifurcation for AOC-MTG-i4T.

2.2 (10/31/2018)

1. Updated BIOS version to 2.2.
2. Updated RSTe package to v.5.5.0.1028.
3. Fixed problem of NVIDIA P4 GPU Loss function after flashing BIOS v2.1.

2.1 (9/17/2018)

1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
2. Changed BIOS revision to 2.1.
3. Added code to program CPLD for backplane detection.
4. Updated Intel code to correct issue with NVIDIA P2P bandwidth.
5. Fixed inability to execute UEFI PXE boot with AOC-MGP-i2 and added i350 UEFI Option ROM for X11DPG-SN.
6. Fixed failures of Test Case 220 and 308 Test.

2.0b (2/26/2018)

1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security patch issue.
2. Updated BIOS version to 2.0b.
3. Added support for IPMI to fix RSC-G2F-A66-X1 sensor reading.
4. Added 2U PLX riser card to support list.
5. Fixed failure of SIOM sensor reading.
6. Fixed failure of IOBP Check.

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Product Manager *Date*