

Notes to Release Notes Authors

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- Release Notes should document functional changes, dependencies, bug fixes and added features.
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BIOS Release Notes Form

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Product Name	X11QPH+
Release Version	4.2
Release Date	12/20/2023
Previous Version	4.0
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Updated AMI label 5.14_PurleyCrb_0ACLA061 for RC0628.P59 IPU 2024.1 For AMI Security Advisories SA50191, SA50193, SA50197, SA50198, and SA50205.2. Updated Cascade Lake-SP CPU PV microcode for IPU 2024.1.3. Changed BIOS revision to 4.2.
New features	None
Fixes	None

4.0 (07/11/2023)

1. Updated AMI label 5.14_PurleyCrb_OACLA060 for RC0628.P50 IPU 2023.3.
(1). For INTEL-SA-00813 Security Advisory to address CVE-2022-37343 (7.2, High), CVE-2022-44611 (6.9, Medium), CVE-2022-38083 (6.1, Medium), CVE-2022-27879 (5.3, Medium), and CVE-2022-43505 (4.1, Medium) security issues.
- (2). For INTEL-SA-00828 Security Advisory to address the CVE-2022-40982 (6.5, Medium) security issue.
2. Updated Cascade Lake-SP CPU PV microcode for IPU 2023.3.
3. Updated Intel Server Platform Services for Purley Refresh Server Platforms IPU2023.3 4.1.5.2.
4. Updated DBX file for AMI-SA50182 Secure Boot DBX Update.
5. Updated Intel Server Platform Services for Purley Refresh Server Platforms IPU2023.3 4.1.5.002.
6. Added buffer overflow security patch.

3.9 (04/11/2023)

1. Change BIOS revision to 3.9.
2. Update AMI label 5.14_PurleyCrb_OACLA059 for RC0626.P01 IPU 2023.2 (1). For INTEL-SA-00807 Security Advisory to address CVE-2022-38087(4.1, Medium) and CVE-2022-33894(7.5, High) security issues.
3. Update token RC_VERSION_VALUE setting to 0627.P11.
4. Updated Cascade Lake-SP CPU PV microcode for IPU 2023.2.

3.8b (01/13/2023)

1. Updated AMI label 5.14_PurleyCrb_OACLA057 for RC0623.D09 2022.3 IPU to address INTEL-SA-00688. CVE-2022-26343(8.2 High) security issue.
2. Updated AEP UEFI driver to 01.00.00.3536 for IPU2022.3.
3. Updated AMI label 5.14_PurleyCrb_OACLA058 for RC0626.P01 IPU 2023.1 (1). Updated INTEL-SA-00717 Security Advisory to address CVE-2022-32231 (7.5, High) / CVE-2022-26343 (8.2, High) security issues.
4. Updated token RC_VERSION_VALUE setting to 0626.P01.
5. Updated Cascade Lake-SP CPU PV microcode for IPU 2023.1.
6. Updated VROC SATA/sATA EFI driver to VROC PreOS v7.8.0.1012.

3.8 (09/06/2022)

1. Changed BIOS revision to 3.8.
2. Updated 5.14_PurleyCrb_OACLA053 for RC update and 2022.1 IPU PV.
3. Updated Skylake-SP/Cascade Lake-SP CPU PC microcode from IPU2022.1.
4. Updated SPS 4.1.4.700.
5. Updated Intel BIOS ACM Firmware to v1.7.54 and SINIT ACM Firmware to v1.7.45.
6. Updated Skylake-SP/Cascade Lake-SP CPU PC microcode for IPU 2022.2. (1). For INTEL-SA-00601 Security Advisory to address CVE-2021-0154(8.2, High), CVE-2021-0153(8.2, High), CVE-2021-33123(8.2, High), CVE-2021-0190(8.2, High), CVE-2021-33122(7.9, High), CVE-2021-33060(7.8, High), CVE-2021-0189(7.5, High), CVE-2021-33124(7.5, High), CVE-2021-33103(7.5, High), CVE-2021-0159(7.4, High), CVE-2021-0188(5.3, Medium) and CVE-2021-0155(4.4, Medium) security issues. (2). For INTEL-SA-00615 Security Advisory to address CVE-2022-21123(6.1, Medium), CVE-2022-21127(5.6, Medium), CVE-2022-21125(5.5, Medium) and CVE-2022-21166(5.5, Medium) security issues. (3). For

INTEL-SA-00616 Security Advisory to address CVE-2021-21131(3.3, Low) and CVE-2021-21136(2.7, Low) security issues.

7. Made the following updates:

- a. Updated token RC_VERSION_VALUE setting to 622.D07
- b. Updated token PRICESO_0_UCODE_VERSION setting to 02006E05. C. Updated token FW_SPS_VERSION setting to 4.1.4.804.
- 8. Updated AEP uEFI driver to 01.00.00.3534 for IPU2022.2.

3.6 (12/13/2021)

- 1. Changed the BIOS Revision to 3.6.
- 2. Added VMware Pmem Support.
- 3. Updated 5.14_PurleyCrb_OACLA053 for RC update and 2021.2 IPU PV.
- 4. Updated Skylake-SP/Cascade Lake-SP CPU PC microcode from IPU2021.2
- 5. Updated SPS 4.1.4.601
- 6. Updated Intel BIOS ACM Firmware to v1.7.51(20210621) and SINIT ACM Firmware to v1.7.51(20210621)

3.5 (06/18/2021)

- 1. Change BIOS Revision to 3.5.
- 2. Update 5.14_PurleyCrb_OACLA053 for RC update and 2021.1 IPU PV
- 3. Updated Skylake-SP/Cascade Lake-SP CPU PC microcode from IPU2021.1
- 4. Updated SPS 4.1.4.505
- 5. Update Intel BIOS ACM Firmware to v1.7.43(20201216) and SINIT ACM Firmware to v1.7.4A(20201216).

3.4 (11/04/2020)

- 1. Changed BIOS Revision to 3.4.
- 2. Updated 5.14_PurleyCrb_OACLA052 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).

3.3a (7/23/2020)

- 1. Prevented duplicate NVMe boot options.
- 2. Changed BIOS Revision to 3.3a.
- 3. Updated Skylake-SP/Cascade Lake-SP CPU microcode from Intel-Restricted-2020-1-IPU.
- 4. Fixed inability of BIOS to load default when plugging in M.2.
- 5. Fixed CentOS boot item.
- 6. Fixed malfunction of secure erase when using SUM.

3.3 (2/25/2020)

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. *Changed patrol scrub from uncorrectable to correctable errors.*
6. *Updated RSTe VMD/SATA/sATA driver to v6.2.0.1034.*
7. *Updated Intel Xeon microcode for Skylake-EP.*
8. *Added Cascade Lake Server B0 stepping CPU support.*
9. *Added Cascade Lake Server B1 stepping CPU support.*
10. *Added support for SMC HDD Security password erase and reset.*
11. *Added Driver Health support.*
12. *Added PPR test result to the System Event Log.*

3.2a (1/24/2020)

1. *Changed BIOS Revision to 3.2a.*
2. *Updated SUM with CPU 3/4 VMD configuration.*
3. *Changed BIOS config XML output to fix issue with Micron devices.*

3.2 (11/19/2019)

1. *Changed BIOS Revision to 3.2.*
2. *Disabled ADDDC/SDDC and set PPR as hPPR by Intel's suggestion for memory error.*
3. *Keep GPP_B6 high for the reboot issue.*
4. *Fix for changing next boot device with ipmitool. (IssueID=103477).*
5. *Fix for Enhanced PPR function hang issue (IssueID=102886).*