

BIOS Release Notes Form

Supermicro disclaims all express and implied warranties, including without limitation, the implied warranties of merchantability, fitness for a particular purpose, and non-infringement, as well as any warranty arising from course of performance, course of dealing, or usage in trade. All products, computer systems, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice. Supermicro and the Supermicro logo are trademarks of Super Micro Computer, Inc. in the U.S. and/or other countries. Copyright © 2018 Super Micro Computer, Inc. All rights reserved.

Product Name	X12DSC-A6
Release Version	2.1
Release Date	08/28/2024
Build Date	07/11/2024
Previous Version	1.4b
Update Category	Critical
Dependencies	None
Important Notes	None
Enhancements	<p>1.[Enhancements] Update 5.22_WhitleyCrb_0ACMS_ICX_076_BETA (IPU-PV 2023.3).</p> <p>2.[Enhancements] Update BMC/BMC Network Configuration page IPv6 DNS/DNS2 setting.</p> <p>3.[Enhancements] Change the strings from "Lock mode" to "Lockdown mode".</p> <p>4.[Enhancements] Updated Intel Server Platform Services for Whitley Server Platforms IPU2023.3 4.4.4.500</p> <p>5.[Enhancements] Update Dx/Mx BETA microcode for IPU2023.4 Out of band for Intel-SA-00950.</p> <p>6.[Enhancements] Update M87606A6_0D0003D1 microcode for Dx/Mx stepping CPU. For INTEL-SA-00950 Security Advisory to address CVE-2023-23583(8.8, High) security issue. For INTEL-SA-00960 Security Advisory to address CVE-2022-41804(6.1, Medium)security issue.</p>

7.[Enhancements] Update base to 5.22_WhitleyCrb_0ACMS_ICX_077 (2024.1 IPU-PV) for INTEL-SA-00960 Security Advisory to address CVE-2022-41804(6.1, Medium)security issue.

8.[Enhancements] Updated Intel Server Platform Services for Whitley Server Platforms IPU2024.1 4.4.4.603 for INTEL-SA-00960 Security Advisory to address CVE-2022-41804(6.1, Medium)security issue.

9.[Enhancements] Update AMITSE module for AMI SA50216 Security Advisory(LogoFAIL Vulnerability) to address CVE-2023-39538(7.5, High) and CVE-2023-39539(7.5, High) security issues.

10.[Enhancements] Expose item Pre-boot DMA Protection.

11.[Enhancements] Update kernel to 5.22_WhitleyCrb_0ACMS_ICX_079 (2024.3 IPU).

12.[Enhancements] Rollback secure boot MS2026 KEK and DB to fix SGX registration failure issue.

13.[Enhancements] Apply AMI SA50235 for extended parser corruption correction.

14.[Enhancements] Apply AMI SA50232 to address predictable TCP initial sequence numbers. 1. CVE-2023-45236 Use of a Weak PseudoRandom Number Generator (Risk Level : 5.8). 2. CVE-2023-45237 Predictable TCP initial sequence numbers (ISNs) generated by the TCP/IP stack (Risk Level : 5.3).

15.[Enhancements] For SA50243 (CVSS3.1 (7.5, High)) fix that UsbRtSmm module has a TOCTOU vulnerability.

16.[Enhancements] Patch for Mellanox InfiniBand Controller MAC Address issue.

17.[Enhancements] Update Dx/Mx microcode for IPU2024.3 Security Advisory. For INTEL-SA-01071 Security Advisory to address CVE-2023-43758(8.2, High), CVE-2023-42772(8.2, High), CVE-2024-23599(7.9, High), CVE-2023-41833(7.5, High), CVE-2023-34440(7.5, High), CVE-2024-21829(7.5, High), CVE-2023-43626(7.5, High), CVE-2024-21871(7.5, High), CVE-2024-21781(7.2, High), CVE-2023-23904(6.1,

	<p>Medium), CVE-2023-22351(6.1, Medium), CVE-2023-43753(5.3, Medium) and CVE-2023-25546(2.5, Low) security issues. For INTEL-SA-01079 Security Advisory to address CVE-2024-21820(7.2, High) and CVE-2024-23918(8.8, High) security issue. For INTEL-SA-01083 Security Advisory to address CVE-2024-24853(7.2, High) security issue. For INTEL-SA-01097 Security Advisory to address CVE-2024-24968(5.3, Medium) security issue. For INTEL-SA-01100 Security Advisory to address CVE-2024-25980(6.1, Medium) security issue. For INTEL-SA-01103 Security Advisory to address CVE-2024-23984(5.3, Medium) security issue. For INTEL-SA-01118 Security Advisory to address CVE-2024-25939(6.0, Medium) security issue.</p>
New features	N/A
Fixes	<p>1.[Fixes] Fix incorrect total memory size on setup if install 6 memory.</p> <p>2.[Fixes] Fix memory still is mapped out because of UECC even after AC cycle.</p> <p>4.[Fixes] Fixed the issue that SMBIOS Type0 System Family change could not be preserved after clearing CMOS.</p>

Release Notes from Previous Release(s)

1.4b(04/13/2023)

- 1.[Enhancements] Update 5.22_WhitleyCrb_OACMS_ICX_73 Intel BKCWW40 PLR3 OOB, please check header for firmware revisions.
- 2.[Enhancements] Update M87606A6_OD00037B microcode for Dx/Mx stepping CPU.
- 3.[Enhancements] Update VROC SATA/sSATA EFI driver to VROC PreOS v7.8.0.1012 to address Intel Virtual RAID on CPU (VROC): Data Loss Exposure Due to RAID 5 TRIM Support document #737276
- 4.[Enhancements] Update DBX file to fix Secure Boot Bypass issue.
- 5.[Enhancements] Follow the SMBIOS template sync the chassis type from FRU0 to SMBIOS Type 03.
- 6.[Enhancements] Update 5.22_WhitleyCrb_OACMS_ICX_74 Intel BKCWW46 IPU2023.1, please check header for firmware revisions.
- 7.[Enhancements] Updated Intel Server Platform Services for Whitley Server Platforms IPU2023.1 4.4.4.301

1.4 (07/14/2022)

- 1.[Enhancements] Update BIOS version to 1.4.
- 2.[Enhancements] Update AMI 5.22_WhitleyCrb_OACMS_ICX_070_BETA RC27P52 for BKC 2021_WW52 (PLR1)

3.[Enhancements]Change string "VMX" to "Intel Virtualization Technology"

4.[Fixes] Remove 1G option from MMCFG base to avoid system hang.

5.[Fixes] Fixed the SMBIOS event log ERROR CODE not display correctly under BIOS menu issue (EFI error type).

6.[Fixes] Correct "PCIe ASPM Support (Global)"" default value to disable.

7.[Fixes]Rollback VROC SATA/sSATA EFI driver to VROC PreOS v7.6.0.1012 to fix system hang when VMD enable.

1.0 (11/08/2021)

1. First Release.