

# BIOS Release Notes Form

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<b>Product Name</b>	<b>X12DPD-A6M25</b>
<b>Release Version</b>	<b>1.5 SPS: 4.4.4.301</b>
<b>Build Date</b>	<b>4/25/2023</b>
<b>Previous Version</b>	<b>1.4a</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. Updated BIOS revision to 1.5.</li><li>2. Updated 5.22_WhitleyCrb_0ACMS_ICX_075 Intel 2023.2 IPU-PV</li><li>3. [Enhancements] Pulled high GPP_C10_FM_PCH_SATA_RAID_KEY first before VROC key detection</li><li>4. Fine-tuned VROC key detection function.</li><li>5. [Enhancements] No boot option for single HDD under RAID mode.</li><li>6. Added ECM RNDIS support</li></ol>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<ol style="list-style-type: none"><li>1. Fixed system hangs on 0xA9 after setting MMCFG base to 1.5G and 1.75G.</li><li>2. Fixed that the SUM TC: 2020 test fail problem.</li></ol>

## *Release Notes from Previous Release(s)*

<p><b>1.4a (11/24/2022)</b></p> <ol style="list-style-type: none"><li>1. Updated 5.22_WhitleyCrb_0ACMS_ICX_73 Intel BKCWW40 PLR3 OOB. Please check header for firmware revisions.</li><li>2. Updated VROC SATA/sATA 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</li><li>3. Added "CSM Support" setup item into SMCISBForm page.</li><li>4. Filter Dynamic TCG Security Pages to patch SUM ChangeBiosCfg failed problem</li><li>5. Enhanced get VPD data routines for E810.</li></ol>
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6. Supports IPMI PXE boot to all LAN port feature for both Legacy and UEFI PXE.
7. Applied workaround to fix Linux OS show incorrect CPU max freq issue.
8. Updated SmcOOB to the version "\_SMCOOBV1.01.25\_" to fix the unexpected system-reseting when loading NVRAM defaults.
9. Exposed Link Retrain per port, exposed MCTP for CPU1 slot1 and CPU2 slot2 in BIOS.
10. If chassis type of FRU0 is not 1(other) or 2(unknown), sync it to SMBIOS type 3.
11. Updated Intel Server Platform Services for Whitley Server Platforms IPU2023.1 4.4.4.301
12. Fixed SUM ChangeBiosCfg command cannot update PchSetup variable related BIOS items issue.

### **1.1 (5/7/2021)**

1. Set default Boot Guard profile to 5.
2. Updated Intel BKCWW17 2021 PV MR1.
3. Set all OPROM control items to Legacy when boot mode is set to Dual.
4. Updated CPLD Signature table 101 and tool to 1.30.24 for CPLD Signature.
5. Extended memory DIMM serial number information (Samsung, Micron, Hynix).
6. Fixed problem of T-states always showing 15 levels even when T-state is disabled.
7. Fixed missing offboard output in Setup if limited to 4G in Non-EFI mode.
8. Fixed failure of Microsoft HLK certification and TPM 2.0 UEFI Preboot Interface Test on Microsoft Server 2019.
9. Fixed problem with a CPU exception.
10. Fixed failure to hide the SmcSecureErase setup page when no HDD devices are plugged in.
11. Corrected display of UEFI OS boot option name in BIOS setup.
12. Fixed failure of Secure Boot Append/Update Keys.
13. Fixed inability to upload all OOB files on the first BMC boot.
14. Corrected memory device number in SMBIOS type 16.
15. Corrected iSCSI Configuration page.
16. Set DIMM size to recalibrate when rank is disabled.
17. Fixed the issue of system hanging after executing `sum -c EraseOAKey` or `afuefi /OAD`.