BMC Firmware Release Notes Form

Product Name	**X14DBT-B**
Release Version	**01.02.05.01**
Build Date	**03/04/2025**
Previous Version	**01.00.21.30**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	1. [ENGINEERING] — BMC stability enhancement. 2. [ENGINEERING] — Support SuperDiag uploaded its reports to BMC by Redfish. 3. [ENGINEERING] — Enhanced Moved cout redirector to Redfish API in nm commands. 4. [ENGINEERING] — Upgraded Astera Retimer SDK 2.8.1 to 2.16.2.
New features	1. [ENGINEERING] — SSO implement. 2. [ENGINEERING] — Cooling page Advanced Settings options. 3. [ENGINEERING] — Appended DHCPv6 client FQDN option (code: 39). 4. [ENGINEERING] — SPDM Web UI modified. 5. [ENGINEERING] — Added SPDM Redfish. 6. [ENGINEERING] — Supported DHCPv4 Option42 NTP Servers. 7. [ENGINEERING] — Improved Intel Node Manager's CPU power limit policy behavior when it is not present. 8. [ENGINEERING] — CPU Power Capping page was available.

	9. [ENGINEERING] — [SPDM] I2C support.
	10. [ENGINEERING] — Supported CPU power limit Redfish API.
	11. [ENGINEERING] — Added smart power capability CMD.
	12. [ENGINEERING] — Updated SEL Spec 1.40, MEL Spec 1.09, and IPMI Spec 2.02.
	13. [ENGINEERING] — Onboard M2 and AOC M2 SSD support.
	14. [ENGINEERING] — Supported SSO and 2FA.
Fixes	1. [ENGINEERING] — 2FA configuration Enable/Disable privilege control.
	2. [ENGINEERING] — Removed SHA256 hash verification from Seamless FW Update.
	3. Need Fan Speed Control spec for SYS-222BT-HNR.
	4. [ENGINEERING] — NVMe_SSDx Temp is missing somehow in X14 BMC 01.01.02.00 through 01.02.03.01.
	5. SMCIPMITool Automation Failure TC: 0139 IPMI OEM backupcfg.
	6. The AOC_SSD7 temperature sensor failed during the SRMS test.
	7. [ENGINEERING] — Inlet Temp Fan curve using SSTDG_REV4.08 5.1.6 and 5.2.6.
	8. Default power restore config was inconsistent on BMC and BIOS.
	9. IPMITool — DCMI sensors return C1 in LBMC. IPMITool — DCMI get_temp_reading returning C1 in LBMC.
	10. Liquid Leakage detected on SYS-222BT-HNR-LCC after updating BMC FW.
	11. AIOM and AOC slot 1 share the same port_temp name.
	12. IPMITool — Verified Get Device SDR via IPMI Inband with extra bytes.

13. [ALL] The section of Reset BIOS in help page is only for X14, H14, and later generations except X14SBH.

14. [DVT] Redfish service/reference fail.

15. [ENGINEERING] — Fixed the TPM DMTF test failure.

16. The option of Auto reset system after CPU CATERR/IERR interrupt happens should be kept in ON status in Operator permission.

17. The descriptions of [MEL-0072] do not match the spec.

18. Failed to receive SNMP trap for [IPMI-9036] and [IPMI-9040].

19. [ENGINEERING] — BMC configuration backup and restore redesign.

20. Incorrect Temperature Threshold on IPMI for Kioxia CD8-P E3.S Drives.

21. BMC should support a maximum of four KVM sessions.

22. DownloadBmcCfg/UploadBmcCfg failed in B14SBE-CPU-AP.
    SAA — Restored BMC configuration via bin file to enable DHCP fail (TC3195).
    Test fail via SMSTC with SAA_1.1.0_20240814 on B14SBE-CPU-AP.

23. Case113007 for Virtual CD-ROM is FAIL on 7601MS.

24. [ENGINEERING] — Fix Kerberos keytab not send to SSO service.

25. Redfish service/reference fail.
    [ENGINEERING] — Updated Redfish Schema to 2024.3.
    [ENGINEERING] — Upgraded Redfish version to RF1.21.

26. Dynamic DNS test was fail. [192155] Cannot Access Hostname with Dynamic Update Enabled.

27. [ENGINEERING] — Smart power new property.

28. AOC-S100G-b2C will not display link status on Network AOC page.

29. BMC Firmware Version Display for X14.

	30. [ENGINEERING] — Removed Redfish URI SmcDrive.Indicate and IndicateActionInfo of HA-RAID and HBA.
	31. During AC on-off cycles, multiple occurrences of incorrect date/time.
	32. [ENGINEERING] — Supported SSO and 2FA.
	33. [ENGINEERING] — IPMITool Unable to open SDR for reading in X14 01.02.05.00.
	34. [ENGINEERING] — Feature of Send test event with different severity.
	35. DCMI power reading issue. Test SMCIPMITool and IPMITool PSU info abnormal.
	36. [ENGINEERING] — Fixed group SEL AOC_PORT readings.
	37. Uploaded CPLD file failure results in two different error messages for SW and HW1 teams.
	38. False NVME_SSDA Temp Sensor SEL during DC ON/OFF.
	39. [ENGINEERING] — Shared LAN BMC IP loss somehow when stressing AC cycle.
	40. Scoped and scheduled for Smartpower form 299.
	41. Default AC Cycle Power Restore Config was inconsistent.
	42. Systems Boot Options Test BootOptionEnabled.