IPMI Firmware

Product Name	**X10DSC-TP4S**
Release Version	**3.77**
Release Date	**7/27/2018**
Previous Version	**3.37**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Revised Redfish "Actions" for clearing event log.** **2. Improved multi-language content on the iKVM/HTML5 option menu and submenu.** **3. Changed the license requirement of WebGUI syslog from DCMS to OOB.** **4. Renamed Redfish APIs as follows: from /redfish/v1/UpdateService/SSL to /redfish/v1/UpdateService/SSLCert, and from /redfish/v1/UpdateService/SSL/Actions/SSL.Upload to /redfish/v1/UpdateService/SSLCert/Actions/SSLCert.Upload.** **5. Upgraded NTP package to 4.2.8p9 for security issue CVE-2016-7434.** **6. Addressed CVE-2003-0001.**

New features	1. Added new Redfish features for downloading and uploading IPMI configuration. 2. Enabled AC Power On Event log. 3. Added Redfish memory information feature. 4. Added support for Redfish firmware inventory (BIOS/BMC update). 5. Added 204 and 405 http status code support for Redfish API so that 204 http status code responds to APIs that support PATCH and 405 http status code responds to APIs that do not support PATCH. 6. Nested ICANN domain in "OEM" part if there is data to show. 7. Added ability to filter out false alarm CATERR. 8. Added Redfish support for new APIs. 9. Added ability to download CATERR dump data for tech support team to analyze. 10. Added Redfish support for storage APIs. 11. Added support for SEL Almost Full log (75%) and SEL Full log (99%). 12. Added ability to save BIOS diagnostic file into BMC by OOB command. 13. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware. 14. Added BMC support to monitor controller temperature, attached physical drive temperature, and attached physical drive status of Broadcom storage controller 3008/3216 (HBA/Host Bus Adapter).
Fixes	1. Fixed failure of email function. 2. Fixed failure of Java SOL console launched on Java console. 3. Fixed timeout of Invalid Default Active Directory. 4. Fixed failure of the button to switch to upload in floppy disk after unmounting a file. 5. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content. 6. Fixed problem of Redfish 500 being returned when

NetworkProtocol is patched after factory default.

7. Fixed grammar error on Event Log page.

8. Fixed failure of Redfish automation test.

9. Set AC Power On Event log to be reported when BMC executes cold reboot.

10. Fixed failure of SUM 2.0.1 test.

11. Fixed failure of SUM "Test_case_215 Outband - ChangeBmcCfg and compare".

12. Fixed inability to disable LDAP Authentication immediately after enabling it.

13. Fixed problem of product serial number being incorrect when it is longer than 15 characters and written in IPMI FRU.

14. Fixed problem of secondary NTP server becoming empty after BMC is restored to default.

15. Fixed inability to handle SMTP Port Number correctly.

16. Fixed problem of unexpected alert occurring when changing date and time settings.

17. Fixed ability of operator level access to reset iKVM.

18. Fixed security vulnerability with NTP mode 6 scanner.

19. Fixed issue of insufficient information for POST Storage.CreateVolume.

20. Fixed inability of IPMI to handle uppercase IPv6 address.

21. Fixed problem of POST action on /redfish/v1/UpdateService/SSL being allowed.

22. Fixed problem of SUM ECO tests failing to run.

23. Fixed problem of BIOS/IPMI SEL DIMM location not matching the motherboard silkscreen.

24. Fixed problem of some digit keys not working when French keyboard layout is selected.

25. Fixed problem of IPMI Web Session value not loading the default after IPMI is set to factory default.

	26. Fixed inability of BIOS diagnostic tool to save logs.
	27. Fixed problem of IPMI not displaying NVMe temperature correctly.
	28. Fixed inability of iReasoning MIB Browser (SNMP) to retrieve sensor data.
	29. Fixed failure of SUM test in SUM 1.7.0.
	30. Fixed inability to change BMC configuration file by OutBand/InBand command.
	31. Fixed problem of health condition showing as "OK" when power supply status is absent.
	32. Fixed problem of console windows jumping from background to foreground when a new character appears on the screen.
	33. Fixed failure of "iKVM Reset" function.
	34. Fixed problem of VM failing to mount ISO file in WebGUI when IPv6 address instead of IPv4 address is entered in the ShareHost text box.
	35. Fixed inconsistency in format of BMC MAC address.
	36. Fixed problem of power consumption history showing minimum power as 0W.
	37. Fixed incorrect grammar of some text.
	38. Fixed problem of 'M' not following after one period in 'R.P.M'.
	39. Fixed incorrect grammar in the alert Window.