IPMI Firmware Release Notes

Product Name	**X11DSC+**
Release Version	**1.76.02**
Release Date	**11/8/2019**
Previous Version	**1.68**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Provided more information for Processor Configuration Error.** **2. Set IERR event and troubleshooting to enabled by default.** **3. Modified boot option to adhere to Redfish description.** **4. Blocked iKVM virtual storage if VM port is disabled.** **5. Strengthened web session ID.** **6. Improved web CSRF security protection.** **7. Protected DDNS setting from potential web attack by malware.** **8. Implemented checking bounds of stack buffer to prevent ROP chain attack.**
New features	**1. Added account lockout feature to temporary disable user if condition is met.** **2. Added support for 3rd party Solarflare card to read temperature.** **3. Defined common format to add Health and Maintenance events to syslog server.** **4. Added display of all IPv4/IPv6 addresses on the sys_info page.** **5. Added IPv6 Static Router.** **6. Added support for Redfish simple update action.**

	7. Set IPv6 to disabled by default.
	8. Added KCM privileges.
	9. Added support for Redfish SecureBoot feature.
	10. Added support for unique pre-programmed default password, form 299-00-190617-001.
Fixes	1. Fixed problem of BMC continuously rebooting if the dedicated LAN disconnects while dedicated mode is selected.
	2. Fixed failure to mount CD-ROM image.
	3. Fixed problem of setting ServiceEnable of IPAccessControl via Redfish returning HTTP status code 302.
	4. Corrected reading of Peripheral Temperature as 127 degrees and added Inlet Temperature sensor.
	5. Fixed failure of BMC to support clearing the recv irq bit, compensating.
	6. Fixed Web session timing out when logging into BMC with AD/BMC account.
	7. Fixed failure of IPMI to create a new event when attempting to log in using incorrect credentials.
	8. Fixed issue with display of long AD domain name.
	9. Corrected NVMe information retrieved through SCMIPMITool.
	10. Fixed failure to change TPM state by IPMI raw command.
	11. Fixed failure of SMSTC test with SMCIPMITool.
	12. Fixed problem of too many IERR event logs generating when IERR is triggered.
	13. Added VM Security patch.
	14. Fixed enable/disable for Launch KVM button.
	15. Fixed failure of legacy power supply to respond to BMC.
	16. Set VM port 623 to close after disabling VM service.
	17. Fixed inability to show NVMe SSD info on web.
	18. Fixed problem of Web BMC alert email limiting the number of words.
	19. Followed Ultra system to adjust Health event log severity.
	20. Fixed problem of Syslog recording a message every 2 minutes.
	21. Fixed inability to launch JavaKVM through SMCIPMITool.
	22. Fixed failure of SUM test with IPMI 3.75.

	23. Fixed problem of redfish/v1/Managers/1/VM1/CfgCD showing password plain text.
	24. Fixed failure to mount VM images after changing VM port over 4 times during Web virtual media mount.
	25. Corrected response of setting via in-band interface after setting SMTP sender email.
	26. Fixed malfunction of Watchdog setting the pre-timeout NMI interruption after counting down to pre-timeout interval.
	27. Fixed failure of Test Case 215 on X11DGQ.
	28. Fixed inability to change SecureBootMode in Redfish.
	29. Fixed mismatch of preservation in 1.74.xx and 1.75.xx firmware.
	30. Corrected behavior after updating BIOS through IPMI WebUI.
	31. Fixed problem of Redfish returning 500 if request body is empty.
	32. Fixed issue with HTML Injection in web username input field.
	33. Fixed problem of XSS cookie attack affecting language setting.