

## IPMI Firmware

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<b>Product Name</b>	<b>X11SPI-TF</b>
<b>Release Version</b>	<b>1.38</b>
<b>Release Date</b>	<b>11/10/2017</b>
<b>Previous Version</b>	<b>1.18</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>N/A</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. Improved the help message descriptions to follow Help Menu Suggestions v1.8.</li><li>2. Adjusted VBAT's low battery threshold from 2.7V to 2.6V for new battery-cell BR2032.</li><li>3. Removed the scrollbar and moved the buttons to the top.</li><li>4. Changed the color of low battery sensor state to yellow for hardware monitor failure.</li><li>5. 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.</li><li>6. Changed the license requirement of WebGUI syslog from DCMS to OOB.</li><li>7. Fixed failure of SUM 2.0.0 (2017/03/03) test.</li></ol>

	<p>8. Added a workaround to solve issue of some motherboards/nodes taking 10+ minutes to boot to PXE after AC cycle.</p> <p>9. Added support for X11SPi-TF.</p>
New Features	<p>1. Added support for new thermal guide (SIM_TDG REV. 4.06) to correct fan PWM failure for SIS_TDG 4.06.</p> <p>2. Added support for Redfish firmware inventory (BIOS/BMC update).</p> <p>3. Patched an empty JSON payload "{}" so that a 204 http status code responds to APIs that support PATCH, while a 405 http status code responds to APIs that do not support PATCH.</p> <p>4. Nested ICANN domain in "OEM" part if there is data to show.</p> <p>5. Added Redfish support for new APIs.</p> <p>6. Fixed problem of IPMI Web Session value not loading the default after IPMI is set to factory default.</p>
Fixes	<p>1. Fixed problem of Help message not matching template.</p> <p>2. Fixed inability of SUM to run due to invalid DMI information.</p> <p>3. Fixed failure of SUM GetBmcCfg.</p> <p>4. Removed Upper Critical event log on CPU sensors to follow new thermal guide (SIM_TDG REV. 4.06).</p> <p>5. Fixed inability of IPMI firmware 1.36 to flash BIOS with SUM.</p> <p>6. Fixed inability to detect 2x U.2 NVME SSD in IPMI WebGUI, problem of fan speed control not working with firmware revision 01.35, problem of Standard Speed and Full Speed fan modes being the same for IPMI 1.35, and failure of fan PWM for SIS_TDG 4.06.</p> <p>7. Fixed problem of IPMI WebGUI not showing NVMe SSD on Server Health.</p> <p>8. Fixed problem of server IP being False when disabled.</p> <p>9. Fixed ability to enable "LDAP" and "Active Directory" at the same time.</p> <p>10. Fixed IPMI's mismatching NVMe slot IDs in the pop up windows for second 12 NVMe drives.</p> <p>11. Fixed problem of system fan curve not following X11 GPU System</p>

**Thermal Design Guide Rev Draft B.**

- 12. Fixed issue with DDNS enable/disable functionality.**
- 13. Fixed inability of DCMS mods to enable Syslog function and ability to read Syslog without OOB key.**
- 14. Fixed problem of unexpected system event logs generating every 2 minutes if "Syslog" is enabled.**
- 15. Fixed problem of NTP server shifting in IPMi v1.22 after IPMI is cold reset, switching AC off or on, or flashing IPMI.**
- 16. Fixed problem of different values appearing in SD5 and WebGUI for PSU fan RPM.**
- 17. Fixed failure to update LCMC firmware via IPMI WebGUI and SMCIPMITool.**
- 18. Fixed problems of abnormal CPU sensor behavior after CPU overheats.**
- 19. Fixed problem of empty assertion events being recorded in IPMI SEL when SMART error drives are detected.**
- 20. Fixed failures to change IPMI LAN mode and of SUM ATT test.**
- 21. Fixed problem of some digit keys not working when French keyboard layout is selected.**
- 22. Fixed abnormal Session ID for iKVM User List.**
- 23. Fixed instability of iKVM.**
- 24. Fixed Redfish functionality.**
- 25. Fixed problem of "Out of Spec Definition (0x07, 0x08) - Assertion" events being recorded in IPMI SEL when installing RHEL7.3.**
- 26. Fixed problem of missing NVMe and MB\_NIC temperature readings on IPMI version 1.15 and inability of IPMI firmware 1.15 to see NVMe SSD tab under IPMI WebGUI.**
- 27. Fixed the fan RPM fluctuating for NIC devices.**
- 28. Fixed instability of VBAT Sensor reading.**
- 29. Fixed inability to detect NVMe device on backplane NVMe ports #1, #2, and #3.**

	<p><b>30. Fixed inability of Web IPMI to see NVMe device management function.</b></p> <p><b>31. Fixed problem of MAC changing to incorrect value of ff:ff:ff:ff:ff:ff on IPMI web after BIOS/IPMI is updated.</b></p> <p><b>32. Fixed missing add-on card sensor reading in IPMI Web.</b></p> <p><b>33. Fixed failures of Fan Pulse-Width-Modulation Measurement and IPMI Hardware Monitor Check.</b></p> <p><b>34. Fixed incorrect IPMI sensor readings.</b></p>
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