

## IPMI Firmware

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<b>Product Name</b>	<b>X10SLL-F/SF and X10SLM-F</b>
<b>Release Version</b>	<b>3.80</b>
<b>Release Date</b>	<b>2/14/2019</b>
<b>Previous Version</b>	<b>3.27</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. Enabled iKVM connection to use STUNNEL only.</li><li>2. Upgraded NTP package to 4.2.8p9 for security issue CVE-2016-7434.</li><li>3. Multi-language support of iKVM/HTML5 console help page.</li><li>4. Revised Redfish "Actions" for clearing event log.</li><li>5. Revert MAC address format to "xx:xx:xx:xx:xx:xx" for backward compatibility.</li><li>6. Changed FirmwaveInventory to SmcFirmwaveInventory to prevent user confusing with Redfish standard definition.</li><li>7. Changed SNMP behavior to conform with X11 platform.</li><li>8. Migrated IPMI Event Log to the URL "redfish/v1/Systems/1/LogServices" in Redfish and renamed the function name from "Event Log" to "System Management Log" in Redfish &amp; Web UI.</li></ol>
<b>New features</b>	<ol style="list-style-type: none"><li>1. Added Enter key to logout of Web Session.</li><li>2. Added support for GPU threshold.</li><li>3. Added support for iKVM HTML5.</li><li>4. Added SNMP feature.</li><li>5. Added Syslog feature.</li></ol>

	<p>6. Added Chassis Intrusion feature.</p> <p>7. Added SMCRAKP feature.</p> <p>8. Added support for IP Access Control.</p> <p>9. Added support for VM (Virtual Media).</p> <p>10. Added POST Snooping.</p> <p>11. Added HD IMG file support for VM feature.</p> <p>12. Added support for SEL Almost Full log (75%) and SEL Full log (99%).</p> <p>13. Added ability to filter out false alarm CATERR.</p> <p>14. 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.</p> <p>15. Nested ICANN domain in "OEM" part if there is data to show.</p> <p>16. 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.</p> <p>17. Added Redfish support for firmware inventory (BIOS/BMC update).</p> <p>18. Added new Redfish features for downloading and uploading IPMI configuration.</p> <p>19. Added parameter (SkipCheckingME) for BIOS update in Redfish to skip ME checking.</p> <p>20. Added support for TaskService feature during BIOS, BMC, and Broadcom storage controller update in Redfish.</p> <p>21. Added support for Node Manager feature in Redfish.</p> <p>22. Added new feature for GUID/BoardID in Redfish.</p> <p>23. Added new feature for event data extension in Redfish.</p> <p>24. Added support for Redfish TaskMonitor.</p> <p>25. Support Redfish APIs for SSM/SUM.</p> <p>26. Patched CVE-2019-6260.</p>
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Fixes	<ol style="list-style-type: none"> <li>1. Allow VM ISO mounts when using IPv6 address in the ShareHost text box.</li> <li>2. Improved information display from System Summary for BIOS, CPLD, and Redfish.</li> <li>3. Removed noise in iKVM remote console windows with wrong resolution size.</li> <li>4. Allow special characters in SMTP password field.</li> <li>5. Fill "Sensor ID" in PCIE SERR/PERR Alert email.</li> <li>6. Corrected mounting/unmounting ISO when using SUM.</li> <li>7. Allow changing gateway.</li> <li>8. Properly display PCH Sensor Reading.</li> <li>9. Show correct chassis intrusion status.</li> <li>10. Allow PATCHing UID via <a href="https://IP/redfish/v1/Chassis/1/">https://IP/redfish/v1/Chassis/1/</a> with {"IndicatorLED": "Blinking"}.</li> <li>11. Prevent losing IPv6 static address after IPMI reboot.</li> <li>12. Allow setting FANs A, B, C, and D to Optimal via Redfish API.</li> <li>13. Show VBat sensor readings immediately.</li> <li>14. Prevent console windows from gaining focus when a new character appears on the screen.</li> <li>15. Corrected "iKVM Reset" failures.</li> <li>16. Allow iReasoning MIB Browser (SNMP) to retrieve sensor data.</li> <li>17. Allow changing BMC configuration file by OutBand/InBand command.</li> <li>18. Show proper health condition when power supply status is absent.</li> <li>19. IPMI Web Session now loads default values after IPMI is set to factory default.</li> <li>20. Allow all digits for French keyboard layout.</li> <li>21. Correct system hanging during POST with IERR errors when 3108 AOC is used.</li> <li>22. Reduced the time required to reset OOB interface of Broadcom 3108 RAID controller.</li> </ol>
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	<p>23. Corrected system hangs during POST, with IERR, and some HDDs attached to 3108 AOC being lost during power cycle.</p> <p>24. Allow uppercase IPv6 address in IPMI.</p> <p>25. Disallow POST action on /redfish/v1/UpdateService/SSL.</p> <p>26. If filled in, secondary NTP server will no longer be blank when BMC is restored to default.</p> <p>27. Honor SMTP Port Number.</p> <p>28. Removed unexpected alert changing date and time settings.</p> <p>29. Allow operator roles to reset iKVM.</p> <p>30. Fixed problem of product serial number being incorrect when it is longer than 15 characters and written in IPMI FRU.</p> <p>31. Fixed inability to disable LDAP Authentication immediately after enabling it.</p> <p>32. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default.</p> <p>33. Corrected inconsistencies in BMC MAC address format.</p> <p>34. Power consumption history no longer shows minimum power as 0W.</p> <p>35. Improved email function.</p> <p>36. Allow deleting Role Group in the Active Directory page.</p> <p>37. Corrected Upload button behavior for floppy disk virtual media after unmounting a file.</p> <p>38. Allow opening the 4th iKVM session in Redfish.</p> <p>39. Corrected inconsistencies in BMC MAC address format.</p> <p>40. Allow setting NM power policy by Redfish API.</p> <p>41. Corrected inability to add AD group name and domain in SMCIPMITool.</p> <p>42. Allow opening Java iKVM when domain name is used to login to BMC.</p>
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