

## IPMI Firmware

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<b>Product Name</b>	<b>X11DGQ</b>
<b>Release Version</b>	<b>1.56</b>
<b>Release Date</b>	<b>9/21/2018</b>
<b>Previous Version</b>	<b>1.48</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>1. Improved fan control efficiency.</b>
<b>New features</b>	<b>1. Updated Redfish API to 3/16/2018. 2. Added TAS HDD Driver events. 3. Added system maintenance event log for UID on/off. 4. Displayed DIMM status through IPMI/Web sensor reading and Redfish. 5. Added M.2-H temperature sensors. 6. Show system MAC and AOC MAC in Redfish without TAS. 7. Added CPU MRC event. 8. Added support for new NVMe CPLD/MCU firmware and Date Code Support.</b>

Fixes	<ol style="list-style-type: none"> <li>1. Allow CPU overheat LED to turn ON in IPMI 1.52 when CPU processor hot event occurs.</li> <li>2. Corrected BIOS update failure when entering ME recovery mode.</li> <li>3. DCMI power no longer shows 0 after power cycle.</li> <li>4. Prevent assigning different actions to 2 or identical hotkeys.</li> <li>5. Added missing foreign language translation for “Preference” settings in HTML5.</li> <li>6. Add SEL when unplugging M.3.</li> <li>7. Pages no longer displays abnormally under Japanese.</li> <li>8. Resolved AD/LDAP/RADIUS conflict.</li> <li>9. More robust error input checking in RADIUS, Syslog port, Active Directory, Reserved User, IP access control, CD-ROM image pages in webUI.</li> <li>10. LAN configuration and power control now function after BMC VLAN is enabled and LAN mode is changed.</li> <li>11. Power supply removal triggers alert, sensor error status, and error LED blinking.</li> <li>12. Hide IPMI eject for NVMe with VMD mode.</li> <li>13. Prevent active iKVM consoles from disconnecting after launching the maximum of 4 sessions.</li> <li>14. Clearing BMC configuration no longer clears licenses.</li> <li>15. Improved redfish/v1/Systems/1/Storage/HA-RAID/Volumes functionality.</li> <li>16. Changed ‘event log’ to ‘health log’ and ‘system event log’ to ‘maintenance event log’.</li> <li>17. Correct Save and Restore syslog configuration in Maintenance-&gt;IPMI Configuration.</li> <li>18. Removed excess delay for temperature sensor updates.</li> </ol>
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**Release Notes from Previous Release(s)**

**1.48 (3/27/2018)**

1. Support NVIDIA Tesla V100 PCIe-32G and SXM2-32G.
2. Enabled system event log to record most configuring operations.
3. Added support for Redfish BIOS configuration.
4. Added IERR interrupt control with disabled as default setting.
5. Prevent full speed fan with GPU installed.
6. Java iKVM viewer no longer shows "black rectangle".
7. IKVM works with non-default port.
8. Improved iKVM/HTML5 stability.
9. NVMe SSDs no longer triggers temperature upper critical event log.
10. Improved NVMe SSD handling.

**1.45 (1/26/2018)**

1. Upgraded NTP to version 4.2.8p10.
2. Enhanced BIOS update function.
3. Changed AOC\_NIC temperature threshold to 105/100/95.
4. SMCIPMITool and WebGUI no longer show different values for PSU FAN RPM.
5. Improve input error handling for port configuration page.
6. Show correct data for Intel P4500 1TB NVMe.
7. Show correct data when Intel P3700 NVMe is swapped to P4500.
8. Correct system LAN LED behavior and inability of system to power on when in power off state.
9. WebUI shows BIOS/RedFish/CPLD version and system MAC.
10. Improved BIOS update time.
11. Prevent first IKVM after AC cycle from not showing anything.
12. Close IKVM console after IKVM reset.
13. Show No Access User Network Privilege on User page.
14. Allow hostname on network page.
15. DCMI power no longer shows 0 after power on immediately after power off for 20 seconds.
16. Power history record page no longer times out when abnormal power peak is encountered.
17. Correct DIMM location for P2 Memory ECC error in IPMI SEL.
18. Show chassis intrusion in IPMITool chassis status.