IPMI Firmware

Product Name	**X11DPG-SN**
Release Version	**1.53**
Release Date	**5/30/2018**
Previous Version	**1.45**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Revised Redfish firmware inventory (BIOS/BMC update).** **2. Revised Redfish "Actions" for clearing event log.**
New features	**1. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware.** **2. Added new Redfish features for downloading and uploading IPMI configuration.** **3. Added adaptive temperature threshold in SDR for drives connected to 3108.** **4. Enabled AC Power On Event log.** **5. Added Redfish memory information feature.** **6. Added enable and disable options for 3108's JBOD mode over BMC's Web page and Redfish API "/redfish/v1/Systems/1/Storage/HA-RAID".** **7. Added support for Intel RSTe RAID status reporting for TAS + BMC Firmware Support TAS ver. 1.5.2 and extended SEL explanation for sensor type 0x0D (Drive Slot).**

Fixes	**1. Set AC Power On Event log to be reported when BMC executes cold reboot.** **2. Changed UTC zone time by SMCIPMITool commands.** **3. Enabled update of 3108's firmware over BMC's Web page.** **4. Fixed incorrect power readings on "power consumption" page.** **5. Fixed inability to update 3108 via IPMI WebGUI.** **6. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content and only supporting English.**

Release Notes from Previous Release(s) *– these will be appended at the bottom of the current release notes in italic and in smaller print*

1.45 (2/6/2018)

1. Improved the help message descriptions to follow Help Menu Suggestions v1.8.
2. Adjusted VBAT's low battery threshold from 2.7V to 2.6V for new battery-cell BR2032.
3. Improved multi-language content on the iKVM/HTML5 option menu and submenu.
4. Added support for new thermal guide (SIM_TDG REV. 4.06) to correct fan PWM failure for SIS_TDG 4.06.
5. Added support for Redfish firmware inventory (BIOS/BMC update).
6. Added support for NVidia GPU GP100 (V100).
7. Added support for AOC-MHFI-i1C (SIOM).
8. Added new advance system event log.
9. Fixed problem of most of IPMI sensors disappearing when firmware is updated to version 1.37.
10. Fixed problem of help message not matching template.
11. Fixed inability of SUM to run due to invalid DMI information.
12. Fixed failure of SUM GetBmcCfg.
13. Removed Upper Critical event log on CPU sensors to follow new thermal guide (SIM_TDG REV. 4.06).
14. Fixed inability of IPMI firmware 1.36 to flash BIOS with SUM.
15. Fixed inability to read AOC-3108-H8i temperature.
16. 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.
17. Fixed missing sensor reading for AOC.
18. Fixed problem of hardware forcing throttling on CPU1 slot3 (GPU1).
19. Fixed problem of ChassisIntrusion sensor showing "Not present".
20. Corrected Redfish APIs from /redfish/v1/Systems/1/Storage/HA-RAID/HA-RAID.[controller_num].Volume.[volume_num] to /redfish/v1/Systems/1/Storage/HA-RAID/Volumes/Controller.[controller_num].Volume.[volume_num] to correct Broadcom RAID volumes error.
21. Fixed missing Inlet Temp sensor in firmware 1.38.
22. Fixed problem of IPMI Eject feature in Intel P4800 not responding.
23. Fixed inability to change fan mode when default fan is in standard fan mode instead of PUE2 mode.
24. Fixed problem of IPMI web BIOS update not resetting the system.
25. Fixed problem of SIOM AOC-MHFI-i1C temperature sensor reading in IPMI WebGUI showing as N/A.
26. Fixed problem of IPMI SDR showing two "AOC_NIC_Temp" readings when SIOM AOC-MTG-i4T is installed.
27. Fixed incorrect fan duty when multiple GPUs are present.