IPMI Firmware Release Notes

Product Name	**X11DPG-QT**
Release Version	**1.71.6**
Release Date	**8/30/2019**
Previous Version	**1.69**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**N/A**
New features	**1. Added support for third number (build version) of IPMI firmware version.** **2. Added BMC Account Security.** **3. Added modification for event severity.** **4. Enabled sending all event logs (Health & Maintenance) to Syslog server.** **5. Added support for DCPMM (AEP DIMM) sensor reading.** **6. Added UefiPxe to Redfish System boot order.**
Fixes	**1. Fixed failure to preserve the BMC configuration from release version to new version.** **2. Added security fix on SSH-CLP.**

	3. Fixed problem of SEL showing error message after AOC-S3108 updates firmware.
	4. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.
	5. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength.
	6. Fixed incorrect KEYPAD * and + key maps via IPMI iKVM console and KEYPAD on physical keyboard.
	7. Fixed problem of IKVM/HTML5 being disabled.
	8. Fixed issue with IPMI web formatting for system.
	9. Fixed failure of STAC Redfish automation test and inability to access Redfish with RADIUS session after factory default.
	10. Fixed problem of IPMI RADIUS authentication client returning Localhost IP In NAS-IP-Address/, malfunction of IPMI RADIUS authentication if authentication is delayed for over 3 seconds, and problem of IPMI RADIUS authentication violating attribute 26 specification.
	11. Fixed incompatibility of IPMI after update.
	12. Fixed missing leading zero in minor version of /Managers/1/ FirmwareVersion.
	13. Fixed ability to set IPMI VLAN LAN ID to 4095 even though range is 1-4094.

1.69 (4/10/2019)

1. Fixed inability to read I2C temperature sensor of LSI 3108 for systems or to see storage monitoring WebGUI.
2. Fixed issue with WebUI formatting.
3. Corrected the sensor quantity of BMC.
4. Fixed mismatch of Redfish FullList Allowed Operation.5. Fixed problem of false reports from 10 HDDs pulled at the same exact second being reported as degraded controller.

1.67 (3/11/2019)

1. Added patch for CVE-2019-6260 pantsdown.
2. Added support for new Uboot code version.
3. Fixed issue of changed default passwords to not work remotely if they contain !@#$%^&*.
4. Fixed malfunction of KVM and remote control after using SSH in SMASH with AD account.
5. Fixed problem of degraded & unavailable SEL event appearing after Broadcom 3108 firmware is updated.

1.64 (1/16/2019)

1. Changed the naming for Health Event Log & Maintenance Event Log in Web UI.
2. Updated the threshold of the AMD GPU (MI8/MI25).
3. Enabled clearing all system event logs w1. Fixed failure of IPMI SOL.
4. Fixed multiple Web UI formatting issues.
5. Fixed malfunction of IPMI Web Date & Time Configuration.
6. Fixed issue of the system status not referencing PSU state when AC is lost.
7. Fixed problems of the sessions timing out after accessing system event log page and of BMC Continuously rebooting.
8. Fixed failure of 1 critical test case in Redfish automation, ability of operator to clear event log and acknowledge in Redfish, failure of Redfish automation tool check, and failure of SATC test.
9. Fixed inability to detect MI25 GPU.
10. Fixed issue of "Save uncompleted" message appearing when changing time and saving it on IPMI Web.
11. Fixed problem of DCMS license activation showing inconsistent results between IPMI firmware 1.52 and 1.61.
12. Fixed problem of WebUI disappearing after selecting simplified Chinese language.
13. Fixed problem of AOC NIC threshold not adhering to thermal guideline.

1.53 (5/30/2018)

1. Revised Redfish firmware inventory (BIOS/BMC update).
2. Revised Redfish "Actions" for clearing event log.
3. Removed FPGA VRM temperature sensor monitoring.
4. Added new advance system event log.
5. Improved multi-language content on the iKVM/HTML5 option menu and submenu.
6. Added Intel OTA feature to fix failure of SMC OOB TPM Provisioning via IPMI feature for customized provisioning table.
7. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware.

8. Added new Redfish features for downloading and uploading IPMI configuration.

9. Enabled AC Power On Event log.

10. Added Redfish memory information feature.

11. 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".

12. 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).

13. Fixed incorrect fan mode.

14. Fixed problem of IPMI web BIOS update not resetting the system.

15. Fixed incorrect power readings on "power consumption" page.

16. Fixed missing AOC card temperature when power first turned on by Intel(R) Xeon(R) Gold 6142F CPU at 2.60GHz.

17. Fixed failure of Redfish API test.

18. Set AC Power On Event log to be reported when BMC executes cold reboot.

19. Changed UTC zone time by SMCIPMITool commands.

20. Enabled update of 3108's firmware over BMC's Web page.

21. Fixed inability to update 3108 via IPMI WebGUI.

22. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content and only supporting English.

1.39 (11/17/2017)

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. Removed the scrollbar and moved the buttons to the top.

4. Fixed problem of help message not matching template.

5. Fixed inability of SUM to run due to invalid DMI information.

6. Added support for new thermal guide (SIM_TDG REV. 4.06).

7. Added support for Redfish firmware inventory (BIOS/BMC update).

8. Changed Redfish APIs for Broadcom RAID volumes error 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].

9. Fixed failures of battery low threshold and 2.55v.

10. Fixed failure of SUM GetBmcCfg.

11. Removed Upper Critical event log on CPU sensors.

12. Fixed inability of IPMI firmware 1.36 to flash BIOS with SUM.

13. 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.

14. Fixed problem of server IP being False when disabled.

15. Fixed ability to enable "LDAP" and "Active Directory" at the same time.