IPMI Firmware Release Notes

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Product Name	**X10DRW-I / IT**
Release Version	**3.86**
Build Date	**11/15/2019**
Previous Version	**3.84**
Update Category	**Critical**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Merged X11 SMASH overflow and rearrange method.**
New features	**1. Added BMC firmware solution to program and store unique pre-programmed password.**
Fixes	**1. Corrected problem hostname containing timestamp after updating IPMI firmware.** **2. Corrected inability to update SMC3108 firmware from IPMI.** **3. Allow modifying username with space.** **4. Corrected iKVM display of "Virtual Media".** **5. Corrected inability to launch SOL window.** **6. Corrected message that is displayed when IKVM port is unchecked.**

3.84 (8/30/2019)

1. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.
2. Fixed abnormality of sensor readings after sorting.
3. Fixed problem of SEL showing error message after AOC-S3108 updates firmware.

3.81 (5/28/2019)

1. Enabled logging multiple HDDs as absent at the same exact second as a StorageController type event in order to remind the user about possible component-related problem (e.g., storage controller, cable, or backplane error).
2. Added support for NVidia T4, RTX 5000, 6000, and 800.

3.80 (2/14/2019)

1. Migrated the IPMI Event Log to the URL "redfish/v1/Systems/1/LogServices" in Redfish and changed the name "Event Log" to "Health Event Log" in Redfish and Web UI.
2. Added patch for CVE-2019-6260 pantsdown.
3. Fixed problem of degraded & unavailable SEL event appearing after Broadcom 3108 firmware is updated.
4. Fixed incorrect number of spaces between two words.
5. Fixed inability to set NM power policy by Redfish API.
6. Fixed failure to add AD group name and domain in SMCIPMITool.
7. Fixed inability to open Java IKVM when domain name is used to login to BMC.
8. Fixed problem when duplicate events related to BRCM3108 occur at the same time.

3.78 (10/4/2018)

1. Set the MAC address format to revert to "xx:xx:xx:xx:xx:xx" in order to prevent backward compatibility.
2. Added parameter (SkipCheckingME) for BIOS EnterUpdateMode in Redfish to skip ME checking.
3. Added support for TaskService feature during BMC and Broadcom storage controller update in Redfish.
4. Added support for Node Manager feature in Redfish.
5. Added new feature for GUID/BoardID in Redfish.
6. Added new feature for event data extension in Redfish.
7. Changed FirmwareInventory to SmcFirmwareInventory to prevent user confusion with Redfish standard definition.
8. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware.
9. Added support for monitoring Broadcom storage controller 3008/3216 (HBA/Host Bus Adapter) temperature, attached physical drive temperature, and attached physical drive status.
10. Fixed inability to open the 4th IKVM session in Redfish.
11. Fixed problem of IPMI BMC/Onboard LAN MAC address not showing as xx:xx:xx:xx:x:xx.
12. Fixed problem of IPMI BMC/Onboard LAN MAC address not showing as 00:00:00:00:00:00.
13. Fixed inconsistency in format of IP address on System page.
14. Fixed missing space between two words.
15. Fixed problem of power consumption history showing minimum power as 0W.
16. Fixed incorrect grammar of some text.
17. Fixed problem of 'M' not following after one period in 'R.P.M'.
18. Fixed incorrect grammar in the alert Window.

3.76 (6/17/2018)

1. Fixed failure of email function.
2. Fixed failure of Java SOL console launched on Java console.

3.75 (6/12/2018)

1. Revised Redfish "Actions" for clearing event log.
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 enable and disable options for 3108's JBOD mode over BMC's Web page and Redfish API "/redfish/v1/Systems/1/Storage/HA-RAID".
6. Added Redfish memory information feature.
7. Added support for saving 3108 storage controller status event.
8. Enabled monitoring of Broadcom 3108 BBU status and logging of it as status change.
9. Fixed grammar error on Event Log page.
10. Fixed problem of duplicate AOC NIC sensor appearing on sensor reading WebGUI.
11. Fixed failure of Walmart system SEL to show bad disks at the very beginning.
12. Fixed inability of Walmart system IPMI to detect removal or insertion HDD activity intermittently.
13. Fixed inability of Walmart systems to view de-assertion messages after removed disks are put back.
14. Fixed failure of Redfish automation test.
15. Set AC Power On Event log to be reported when BMC executes cold reboot.
16. Enabled update of 3108's firmware over BMC's Web page.
17. Fixed problem of BMC not logging events when user removes pre-installed HDDs (connected to storage backplane and 3108) during system boot and after Broadcom 3108 storage controller is initialized.
18. Fixed problem of the sensor reading of AOC-STG-i4S card working abnormally.
19. Fixed failure of Redfish API test.
20. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default.
21. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content.
22. Fixed inability to update 3108's firmware over BMC's Web page if Logical device is on the card.
23. Fixed timeout of Invalid Default Active Directory.
24. Fixed failure of the button to switch to upload in floppy disk after unmounting a file.
25. Fixed failure to change JBOD mode.
26. Fixed problem of "undefined" message appearing in pop-up window before uploading Broadcom 3108's ROM.

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Product Manager   *Date*