

## IPMI Firmware Release Notes

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<b>Product Name</b>	<b>X10SRW-F</b>
<b>Release Version</b>	<b>3.85</b>
<b>Release Date</b>	<b>9/26/2019</b>
<b>Previous Version</b>	<b>3.80</b>
<b>Update Category</b>	<b>Critical</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>1. Merged X11 SMASH overflow and rearrange method.</b>
<b>New features</b>	<b>1. Populated NAS-Identifier (rfc2865, 5.32.0) with BMC-specific string. 2. Log multiple absent HDDs as a StorageController event to remind user about possible component-related problem (e.g., storage controller, cable, or backplane error).</b>
<b>Fixes</b>	<b>1. Display long AD domain names. 2. Allow setting port number after changing the VM port. 3. Corrected multiple vulnerabilities with BMC Virtual Media. 4. Corrected sensor readings after sort. 5. Remove SEL showing error message after AOC-S3108 updates firmware. 6. Corrected inability to launch SOL window. 7. Corrected message that is displayed when IKVM port is unchecked.</b>

## ***Release Notes from Previous Release(s)***

### **3.80 (2/14/2019)**

#### Enhancements

1. Multi-language support of iKVM/HTML5 console help page.
2. Revert MAC address format to "xx:xx:xx:xx:xx:xx" for backward compatibility.
3. Changed FirmwareInventory to SmcFirmwareInventory to prevent user confusing with Redfish standard definition.
4. Changed SNMP behavior to conform with X11 platform.
5. 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 & Web UI.

#### New features

1. Added adaptive temperature threshold in SDR for drives connected to 3108.
2. Enabled AC Power On Event log.
3. 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".
4. Added Redfish Memory Information feature.
5. Added support for Redfish firmware inventory (BIOS/BMC update).
6. Added new Redfish features for download/upload IPMI configuration.
7. Revised Redfish "Actions" for clearing event log.
8. Added support for new redfish firmware inventory (3018 storage controller) to update firmware.
9. Enabled monitoring/logging of Broadcom 3108 BBU status changes.
10. Added support for saving 3108 storage controller status event.
11. Added parameter (SkipCheckingME) for BIOS update in Redfish to skip ME checking.
12. Added support for TaskService feature during BIOS, BMC, and Broadcom storage controller update in Redfish.
13. Added support for Node Manager feature in Redfish.
14. Added new feature for GUID/BoardID in Redfish.
15. Added new feature for event data extension in Redfish.
16. Added Redfish support for TaskMonitor.
17. Support Redfish APIs for SSM/SUM.
18. Added patch for CVE-2019-6260
19. Added adaptive temperature threshold in SDR for drives connected to 3108.
20. Disabled MCTP support on Broadcom 3108 firmware so it only supports I2C protocol.

#### Fixes

1. Allow disabling LDAP Authentication immediately after enabling it.
2. Display product serial number correctly.
3. Enabled AC Power On Event log.
4. BMC now logs events when user removes pre-installed HDDs (connected to storage backplane and 3108) during system boot and after Broadcom 3108 storage controller is initialized.
5. Allow updating 3108's firmware over BMC's Web page if Physical/Logical device is on the card.
6. Redfish no longer returns 500 when NetworkProtocol is patched after factory default.
7. Correct sensor reading of AOC-STG-i4S card.
8. Remove duplicate AOC NIC sensor on WebGUI.
9. Corrected inconsistencies in BMC MAC address format.
10. Power consumption history no longer shows minimum power as 0W.
11. Correct Alert email function.
12. Allow deleting Role Group in Active Directory page.
13. Corrected "undefined" message appearing in pop-up window before uploading Broadcom 3108's ROM.
14. SSM system information details now shows multiple storage enclosures.
15. Allow updating 3108's firmware over BMC's Web page if Physical/Logical device is on the card.
16. Corrected Upload button behavior for floppy disk virtual media after unmounting a file.
17. Corrected failure to change JBOD mode.
18. Multi-language support of iKVM/HTML5 console help page.
19. Allow opening the 4th iKVM session in Redfish.
20. Show consistent IP address formats on System page.
21. Removed SEL degraded and unavailable events after Broadcom 3108 firmware is updated.
22. Allow setting NM power policy by Redfish API.
23. Corrected inability to add AD group name and domain in SMCIPMITool.
24. Allow opening Java iKVM when domain name is used to login to BMC.
25. Removed duplicate BRCM3108 events