

IPMI Firmware

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Product Name	AOM-X10QBI(-L) / MBD-X10QBI
Release Version	3.81
Release Date	5/28/2019
Previous Version	3.65
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Added patch for CVE-2019-6260 pantsdown.2. Migrated IPMI Event Log to the URL "redfish/v1/Systems/1/LogServices" in Redfish and renamed the function name from "Event Log" to "Health Event Log" in Redfish & Web UI.3. Set the MAC address format to revert to "xx:xx:xx:xx:xx:xx" in order to prevent backward compatibility.4. Changed FirmwareInventory to SmcFirmwareInventory to prevent user confusion with Redfish standard definition.
New features	<ol style="list-style-type: none">1. Added support for NVidia T4, RTX 5000, 6000, and 800.2. 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. Added support for Redfish TaskMonitor.8. Added new Redfish features for downloading and uploading IPMI configuration.9. Revised Redfish "Actions" for clearing event log.

	<p>10. Enabled AC Power On Event log.</p> <p>11. Added Redfish memory information feature.</p> <p>12. Added support for Redfish firmware inventory (BIOS/BMC update).</p>
<p>Fixes</p>	<p>1. Allow setting NM power policy by Redfish API.</p> <p>2. Corrected inability to add AD group name and domain in SMCIPMITool.</p> <p>3. Fixed malfunction of KCS, sensor reading, and some commands.</p> <p>4. Fixed inability to open the 4th iKVM session in Redfish.</p> <p>5. Fixed problem of IPMI BMC/Onboard LAN MAC address not showing as 00:00:00:00:00:00.</p> <p>6. Fixed inconsistency in format of IP address on System page.</p> <p>7. Corrected SNMP behavior and made it identical to X11.</p> <p>8. Fixed problem of power consumption history showing minimum power as 0W.</p> <p>9. Fixed problem of 'M' not following after one period in 'R.P.M'.</p> <p>10. Fixed failure of IPMI Alert email function.</p> <p>11. Fixed inability to delete Role Group in Active Directory page.</p> <p>12. Fixed timeout of Invalid Default Active Directory.</p> <p>13. Fixed failure of the button to switch to upload in floppy disk after unmounting a file.</p> <p>14. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content.</p> <p>15. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default.</p> <p>16. Set AC Power On Event log to be reported when BMC executes cold reboot.</p>

Release Notes from Previous Release(s)

3.65 (12/15/2017)

Enhancements

1. Renamed Redfish APIs as follows: from */redfish/v1/UpdateService/SSL* to */redfish/v1/UpdateService/SSLCert*, and from */redfish/v1/UpdateService/SSL/Actions/SSL.Upload* to */redfish/v1/UpdateService/SSLCert/Actions/SSLCert.Upload*.
2. Upgraded NTP package to 4.2.8p9 for security issue CVE-2016-7434.
3. Improved multi-language content on the iKVM/HTML5 option menu and submenu.
4. Disabled MCTP support on Broadcom 3108 firmware so it only supports I2C protocol.

New features

1. Added 204 and 405 http status code support for Redfish API so that 204 http status code responds to APIs that support PATCH and 405 http status code responds to APIs that do not support PATCH.
2. Nested ICANN domain in "OEM" part if there is data to show.
3. Added ability to filter out false alarm CATERR.
4. Added Redfish support for new APIs.
5. Added support for NVidia V100.

Fixes

1. Fixed problem of secondary NTP server becoming empty after BMC is restored to default.
2. Fixed inability to handle SMTP Port Number correctly.
3. Fixed problem of unexpected alert occurring when changing date and time settings.
4. Fixed ability of operator level access to reset iKVM.
5. Fixed inability of IPMI to handle uppercase IPv6 address.
6. Fixed problem of POST action on */redfish/v1/UpdateService/SSL* being allowed.
7. Fixed problem of some digit keys not working when French keyboard layout is selected.
8. Fixed problem of IPMI Web Session value not loading the default after IPMI is set to factory default.
9. Fixed inability to disable LDAP Authentication immediately after enabling it.
10. Fixed problem of product serial number being incorrect when it is longer than 15 characters and written in IPMI FRU.