

## IPMI Firmware / BIOS Release Notes Form

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| <b>Product Name</b>     | <b>X11SSH-(C)TF</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Release Version</b>  | <b>2.1a</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Release Date</b>     | <b>03/07/2018</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Previous Version</b> | <b>2.1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Update Category</b>  | <b>Critical</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Dependencies</b>     | <b>None</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Important Notes</b>  | <b>None</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Enhancements</b>     | <ol style="list-style-type: none"><li>1. Updated CPU microcode to address 'Spectre' variant 2 (CVE 2017-5715) security issue.</li><li>2. Changed BIOS revision to 2.1a.</li><li>3. Added Ramaxel JEDEC Manufacturer ID to support Ramaxel memory.</li><li>4. Added AOC-SLG3-2M2 1.01 into NVMe table for auto bifurcation.</li><li>5. Added support to speed the memory up to 2667Mhz.</li><li>6. Added support for UEFI mode PXE boot via F12 hot key Net boot.</li><li>7. Added support for SUM to display SGX-related items.</li></ol> |
| <b>New features</b>     | <b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Fixes</b>            | <ol style="list-style-type: none"><li>1. Fixed issue with IPMI force boot.</li><li>2. Fixed inability to load Broadcom SAS3008 configuration utility.</li></ol>                                                                                                                                                                                                                                                                                                                                                                           |

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|  | <p><b>3. Fixed problem of system not showing correct manufacturer name or product name when IPMI without FRU1 is programmed.</b></p> <p><b>4. Fixed failure of ATT BIOS ECO test case 237.</b></p> <p><b>5. Fixed problem of SGX resetting to default value if using SUM to change SGX items after BIOS update.</b></p> |
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**Release Notes from Previous Release(s)** – these will be appended at the bottom of the current release notes in italic and in smaller print