

## IPMI Firmware / BIOS Release Notes Form

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| <b>Product Name</b>     | <b>X11SPH-NCTF/NCTPF</b>  |
| <b>Release Version</b>  | <b>2.0b</b>   |
| <b>Release Date</b>     | <b>02/26/2018</b>   |
| <b>Previous Version</b> | <b>2.0a</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 2.0b.</li><li>3. Displayed setup item "ACS Control" to Enable/Disable PCIe Access Control Services Extended Capability, with Enabled as default.</li><li>4. Updated 5.12_PurleyCrb_0ACFD085Beta for Purley Skylake platform PLR 4, BKC WW02.</li><li>5. Added setup item "SmcBusMasterEn" for enabling Parent bridge of the devices in the gSmcPciForceEnableBusMasterList.</li></ol> |
| <b>New features</b>     | <b>N/A</b>  |
| <b>Fixes</b>            | <ol style="list-style-type: none"><li>1. Fixed failure of BIOS ECO ATT test case 306.</li></ol>   |

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|  | <ol style="list-style-type: none"><li>2. Fixed inability to reset the system under DOS by pressing "Ctrl-Alt-Del" on USB keyboard when "Port 60/64 Emulation" is disabled.</li><li>3. Fixed problem of SMC skipping first boot option in UEFI mode when retrying boot.</li><li>4. Disabled CPU2 IIO PCIe root port ACPI hot plug function.</li><li>5. Fixed issue with IPMI force boot.</li><li>6. Fixed inability of some CPUs to display correct microcode revision under BIOS setup menu.</li></ol> |
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