

# IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X11SPW-(C)TF</b>
<b>Release Version</b>	<b>2.0b</b>
<b>Release Date</b>	<b>2/26/2018</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. Updated 5.12_PurleyCrb_0ACFD085Beta for Purley Skylake platform PLR 4, BKC WW02.</li><li>3. Enabled IERR crash dump function.</li><li>4. Added setup item "SmcBusMasterEn" for enabling Parent bridge of the devices in the gSmcPciForceEnableBusMasterList.</li><li>5. Displayed setup item "ACS Control" to Enable/Disable PCIe Access Control Services Extended Capability, with Enabled as default.</li><li>6. Changed BIOS revision to 2.0b.</li></ol>
<b>New features</b>	<ol style="list-style-type: none"><li>1. Implemented SMC OOB TPM Provisioning via IPMI Feature for customized provisioning table.</li><li>2. Changed RC default setting to upgrade POST Memory correctable error to uncorrectable error and map out the channel.</li></ol>

Fixes	<ol style="list-style-type: none"> <li>1. Changed the disabling of CPU Core by core number.</li> <li>2. Corrected the "Save Changes" setup option string in "Save &amp; Exit" menu.</li> <li>3. Fixed problem of system hanging during BIOS flashing if Watch Dog function is enabled.</li> <li>4. Fixed problem of TPM 2.0 PS NV Index not being write-protected even if customized provisioning table indicates that it must be write-protected when using "SMC OOB TPM Provisioning via IPMI feature".</li> <li>5. Fixed problem of DMI being cleared when SUM LoadDefaultBiosCfg is run.</li> <li>6. Fixed issue with IPMI force boot.</li> <li>7. Fixed issue of all commands requesting to be persistent.</li> <li>8. Fixed malfunction of "SMBIOS Preservation" Disabled.</li> <li>9. Fixed problem of SMC skipping first boot option in UEFI mode when retrying boot.</li> <li>10. Fixed problem of the endpoint PCIe device having error bits in PCI Status or Device Status register.</li> <li>11. Fixed inability to set memory policy.</li> <li>12. 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>13. Fixed failure of BIOS ECO ATT test case 306.</li> <li>14. Fixed inability of some CPUs to display correct microcode revision under BIOS setup menu.</li> </ol>
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