

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X11SCL-F</b>
<b>Release Version</b>	<b>1.0a</b>
<b>Release Date</b>	<b>2/14/2019</b>
<b>Previous Version</b>	<b>1.0</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>N/A</b>
<b>Important Notes</b>	<b>N/A</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. Changed BIOS version to 1.0a.</li><li>2. Updated Intel Reference Code to version 7.0.51.40.</li><li>3. Updated CPU MCUs (906EA, U0 + 906EB, B0 + 906EC, and P0).</li><li>4. Hid LAN OPROM Control items when LAN#1 OPROM is set to iSCSI.</li><li>5. Updated SMC OOB Module to support SMC LSI OOB Module.</li><li>6. Added Early Video messages when BIOS is in recovery mode.</li><li>7. Added "ACPI T-States" setup item.</li><li>8. Enhanced JPG1 function for running SUM with JPG1 2-3.</li><li>9. Enhanced "NVMe FW Source" function.</li><li>10. Added "SATA Frozen" function.</li><li>11. Added support for RFC4122 UUID format feature so that RFC4122 encoding from build time is produced by IPMICFG 1.29 tool or newer version.</li></ol>

	<p>12. Displayed "AERON" and "MCEON" strings during POST when "PCI AER Support" or "Memory Corrected Error" is enabled.</p> <p>13. Hid "ECC Support" item.</p> <p>14. Set the default of "Memory Corrected Error Enabling" to disabled.</p> <p>15. Updated the Intel BIOS ACM version to 1.5.0 and SINIT ACM to 1.6.0.</p> <p>16. Added "SMC SMBIOS Measurement" feature for PCR#1 measurement and enabled "Measure_Smbios_Tables".</p> <p>17. Updated RAID option ROM and UEFI driver to 5.5.1028.</p> <p>18. Added "MCEON" and "AERON" POST strings for SOL console when items are enabled.</p> <p>19. Added support for Linux built-in utility efibootmgr.</p> <p>20. Updated solution "support Linux built-in utility efibootmgr".</p> <p>21. Added code for Consistent Device Name support.</p> <p>22. Updated BIOS Setup Menu for the item "Always Turbo Mode" in the Advanced/CPU Configuration page.</p> <p>23. Updated IPv4 and IPv6 setup item strings.</p> <p>24. Added OEM strings to 50 bytes in Type 11.</p> <p>25. Added "Driver Health" setup item.</p> <p>26. Added Driver Health warning message.</p> <p>27. Prevented random inability to flash OA License Keys.</p> <p>28. Renamed "AC Loss Policy Depend on" to "Restore on AC Power Loss".</p> <p>29. Enhanced the solution for the error/warning message from dmidecode after AMIDE modification.</p>
New features	N/A
Fixes	<p>1. Fixed issue of Recovery page disappearing and the Main page being displayed when under recovery mode.</p> <p>2. Rolled back ME to SPS firmware SPS_E3_05.00.03.107.0 to fix inability to power on PCH PRQ sample.</p>

	<p>3. Fixed problem of AER occurring in Linux dmesg when Nvidia K80 is installed.</p> <p>4. Fixed inability of system to boot into OS environment with Apacer M2.</p> <p>5. Fixed inability to Boot Option of UEFI Application Boot Priorities to load default via Afu tool with command “/N”.</p> <p>6. Changed the “SATA Interrupt Selection” default value to MSI.</p> <p>7. Fixed problem of system hanging in CP: 94h when three interposer add-on cards and one M.2 PCIe NVMe add-on card are plugged in.</p> <p>8. Fixed issue of PCR#1 value to be changed during Legacy boot with TPM 2.0 when Measure_Smbios_tables is disabled.</p> <p>9. Fixed problem of the system hanging in CP: 0xF4 when the system recovery occurs in BIOS with TPM module.</p> <p>10. Fixed failure of workaround for BIOS flash with 156 bytes PubKey (Error: “Secure Flash Rom Verify Fail”).</p> <p>11. Updated “Restore Optimized Defaults” string for Mehlow Server template.</p> <p>12. Modified UEFI network description to IPv4/IPv6 to follow Industry Standard.</p> <p>13. Removed processor version “Type” string for Mehlow Server template.</p> <p>14. Fixed problem of hot-plug register setting when an add-on card is not plugged in the PCH root port bridge.</p> <p>15. Fixed issue of onboard video output displaying screen on DXE stage when JPG1 is disabled.</p> <p>16. Fixed problem of BMC VGA status being enabled in SMBIOS Type 41 when JPG1 is disabled (In 2-3).</p> <p>17. Fixed problem of system hanging up at 0x94.</p> <p>18. Added Disabled option for “Onboard Video Option ROM” setup item.</p>
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***Release Notes from Previous Release(s)***

**N/A**