

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X11DPFR-S(N)</b>
<b>Release Version</b>	<b>2.1a</b>
<b>Release Date</b>	<b>10/23/2018</b>
<b>Previous Version</b>	<b>2.1</b>
<b>Update Category</b>	<b>Recommended</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. Added support for Monitor Mwait feature.</li><li>2. Fixed inability of VMD status to load default if loading default by AFU.</li><li>3. Updated SATA RAID OPRM/EFI driver to RSTe PreOS v5.5.0.1028.</li><li>4. Updated SPS 4.0.4.393 to correct problems of unexpected SPS response to HECI Host Config cmd with PStatesRatio Missing when HWPM is enabled as OOB or Native without legacy, and of duplicated EID being assigned on MCTP endpoint after sending MCTP force discovery IPMI command.</li><li>5. Updated SATA RX DWORD20 Ports 0, 1, 2, 4, 5, and 6 to ~2.4dB and ports 3 and 7 to ~1.6dB.</li><li>6. Synchronized setup menu string and SMBIOS type9 slot description.</li></ol>

<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<ol style="list-style-type: none"> <li>1. Fixed problem of system resetting while flashing BIOS under OS if Watch Dog function is enabled.</li> <li>2. Fixed malfunction of BIOS/ME downgrade check when running flash package (SWJPME2) a second time.</li> <li>3. Fixed problem of BIOS always retrying boot when Re-Try Boot is Disabled.</li> <li>4. Fixed malfunction of support for LEGACY to EFI.</li> <li>5. Fixed issue with IPMI firmware capability.</li> <li>6. Fixed failure of turbo in new Linux kernel.</li> <li>7. Fixed inability to set memory policy.</li> <li>8. Fixed problem of setup item "Quiet Boot" staying enabled after flashing BIOS with "Quiet Boot" disabled.</li> <li>9. Fixed problem of system hanging after downgrading BIOS from 2.1a to 2.1.</li> </ol>

**Release Notes from Previous Release(s)**

**2.1 (7/13/2018)**

1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
2. Updated 5.12\_PurleyCrb\_0ACFD088Beta for Purley Skylake platform PLR7, BKC 2018 WW20.
3. Corrected default setting for Enable SmcBusMasterEn setup item.
4. Added hidden item "Early Console Logo".
5. Added support for RFC3021.
6. Updated BIOS ACM 1.3.7 and SINIT ACM 1.3.4.
7. Fixed problem of Ctrl + Alt + Del causing system to hang after flashing BIOS.
8. Fixed problem of SUM GetSataInfo showing incorrect "Configuration Type" when setting "Configure sSATA as" to "AHCI" or "RAID" on sSATA controller.
9. Fixed problem of the NVMe drivers not showing temperature and ejecting when only one CPU is installed and AOC-SLG3-2E4T is on CPU1 RP1.
10. Fixed problem of DMI being cleared when running SUM UpdateBios.
11. Displayed setup items for JEDEC NVDIMM.

**2.0b (2/24/2018)**

1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security patch issue.
2. Changed maximum speed in SMBIOS type 4 to 4500Mhz.
3. Added support for AOC-SLG3-2E4T only for two NVMe drives.
4. Added support for System Firmware Progress System Firmware Progress feature.
5. Added support for BPN-SAS3-F424-A6N4 panel for six NVMe drives.
6. Fixed inability of some CPUs to display correct microcode revision under BIOS setup menu.