

## IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>X11DGO-T</b>
<b>Release Version</b>	<b>3.1 SPS: 4.1.04.296</b>
<b>Release Date</b>	<b>5/9/2019</b>
<b>Previous Version</b>	<b>3.0c</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>1. Updated Skylake H0/M0/U0 CPU <math>\mu</math>-code to version 5E and Cascade Lake B0/B1 to version 24. 2. Updated Intel® RSTe package to version 6.1.0.1017. 3. Updated RC0584.D01. 4. Set SDDC Plus One or SDDC to disabled by default.</b>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<b>N/A</b>

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

**3.0c (4/5/2019)**

1. Updated Skylake H0/M0/U0 CPU  $\mu$ -code to version 5A and Cascade Lake B0/B1 to version 21.
2. Updated Intel® RSTe package to ver. 6.0.0.1024.
3. Updated RC0578.D07.
4. Updated SPS 4.01.04.256.0.
5. Updated ADR time of 600 microcodes for PCU-assisted NVDIMM ADR flow.
6. Fixed inability to update BIOS by AFUEFI or AFULNX.

**3.0a (1/16/2019)**

1. Added support for Purley Refresh platform.
2. Updated Intel® RSTe package to ver. 6.0.0.1024.
3. Updated ADR time of 200 microcodes for PCU-assisted NVDIMM ADR flow.

**2.1 (9/28/2018)**

1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
2. Added support for MSMI feature.
3. Patched to support NVIDIA P2P transaction without performance penalty.
4. Updated Intel® RSTe 5.4.0 1039.
5. Added 15-second delay before getting PSU information from FRU.
6. Fixed inability to flash back to previous version of BIOS.