

## IPMI Firmware / BIOS Release Notes Form

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|-------------------------|---|
| <b>Product Name</b>     | <b>X10DGO(-T)</b>   |
| <b>Release Version</b>  | <b>3.1c SPS: 3.1.3.72</b>   |
| <b>Release Date</b>     | <b>8/13/2019</b>  |
| <b>Build Date</b>       | <b>8/13/2019</b>  |
| <b>Previous Version</b> | <b>3.1</b>  |
| <b>Update Category</b>  | <b>Recommended</b>  |
| <b>Dependencies</b>     | <b>None</b>   |
| <b>Important Notes</b>  | <b>N/A</b>  |
| <b>Enhancements</b>     | <b>1. Updated BIOS version to 3.1c for formal release.<br/>2. Updated Haswell microcode to 43 and Broadwell microcode to 36.<br/>3. Updated VBIOS to v1.09.00.<br/>4. Updated SPS version 05:3.1.3.72.<br/>5. Updated module to support new UUID feature.</b> |
| <b>New features</b>     | <b>N/A</b>  |
| <b>Fixes</b>            | <b>N/A</b>  |

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

***3.1 (7/30/2018)***

- 1. Implemented enhancement to address 'Spectre' variant 2 (CVE-2018-3639 & CVE-2018-3640) security patch issue.*
- 2. Updated BIOS version to 3.1 for formal release.*
- 3. Added 3-second delay for IPMI PowerSupply FRU command.*
- 4. Set Descriptor Region (Bit 0) of BIOS Region Write Access to "No".*
- 5. Fixed failure of AOC card (AOC-S3108L-H8iR) Option ROM.*
- 6. Fixed failure of DMI writing when cburn is running a test.*

***3.0a (3/27/2018)***

- 1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security patch issue.*
- 2. Updated BIOS revision to 3.0a.*
- 3. Fixed issue of NVMe M.2 HD hanging at 68h.*
- 4. Fixed problem of the default memory RAS mode being named "disabled".*