IPMI Firmware / BIOS Release Notes Form

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Product Name	**X10DAC/X10DAi**
Release Version	**3.1c ME: 3.1.3.72**
Release Date	**5/16/2019**
Previous Version	**3.1**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Updated processor µ codes Haswell-EP C0/C1/M0/M1/R2 rev. 43 and Broadwell-EP B0/M0/R0 rev. 36.** **2. Updated SPS firmware version to 3.1.3.72.** **3. Updated Intel VROC version to 6.1.0.1017.**
New features	**N/A**
Fixes	**N/A**

3.1 (6/27/2018)

1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.

3.0a (2/5/2018)

1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security issue.
2. Updated RC to 4.3.0.
3. Updated microcodes to Haswell-EP C0/C1/M0/M1/R2 rev. 3C and Broadwell-EP B0/M0/R0 rev. 2A.
4. Added tCCD_L setup option.
5. Set security device support item to be hidden when this option is disabled.
6. Fixed problem of keystroke and keeping drive plugged in required for USB flash drive when HDD bit lock is enabled.