IPMI Firmware / BIOS Release Notes Form

Product Name	**X10DGQ**
Release Version	**3.1b ME: 3.1.3.72**
Release Date	**5/24/2019**
Previous Version	**3.1a**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**N/A**
Enhancements	**1. Changed BIOS revision to 3.1b.** **2. Updated Intel microcode 0x43 for Haswell-EP and 0x36 for Broadwell-EP to address Intel-SA-00233 security issue.** **3. Updated Intel SPS firmware to E5_03.01.03.072.0_WBG_REL to address Intel-SA-00213 security issue.**
New features	**N/A**
Fixes	**1. Updated RSTe SATA/sSATA driver to v6.1.0.1017.** **2. Updated ASPEED VBIOS to version 1.09.00.**

3.1a (4/17/2019)

1. Changed BIOS version to 3.1a.
2. Updated VBIOS from 0.96.0 to 1.03.01.

3.1 (6/11/2018)

1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
2. Changed BIOS version to 3.1.
3. Set Descriptor Region of BIOS Region Write Access to "No".

3.0a (2/15/2018)

1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security patch issue.
2. Updated RC to 4.3.0.
3. Changed BIOS revision to 3.0a.