

## IPMI Firmware / BIOS Release Notes Form

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| <b>Product Name</b>     | <b>X11QPH+</b>                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Release Version</b>  | <b>3.0a</b>                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Release Date</b>     | <b>1/23/2019</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>     | <b>1. Added support for Purley Refresh platform.<br/>2. Update Intel Reference Code to BKC WW02 Rev: RC0568.D10.<br/>3. Update Intel Xeon Micro-code for Skylake-EP.<br/>4. Update Intel Server Platform Services 04.01.03.239.0 for Purley-Refresh Platforms.<br/>5. Update Intel BIOS ACM Firmware to v1.7.1 and SINIT ACM Firmware to v1.7.1.<br/>6. Enable RFC4122 UUID support.</b> |

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|---------------------|----------------------------------------------------------------------------------------------------|
|                     | <b>7. Add Tesla T4 GPU Support.</b><br><b>8. Update RSTe VMD/SATA/sSATA driver to v6.0.0.1024.</b> |
| <b>New features</b> | <b>N/A</b>                                                                                         |
| <b>Fixes</b>        | <b>N/A</b>                                                                                         |

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

**2.1 (7/23/2018)**

- 1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.*
- 2. Changed BIOS version to 2.1.*
- 3. Updated RSTe VMD/SATA/sSATA Driver to Production Versionv5.4.0.1039.*
- 4. Updated Redriver Value for AOC-4UR66-i4XTF.*
- 5. AddedAOC-SLG3-4E4T Auto-Bifurcation Support for Riser RSC-S4-A6688 (Slot2 and Slot4).*
- 6. Added support for AOC-QLE2672 Under 4G for PXE Boot.*
- 7. Set the Maximum Power Supply Unit to 4 for 4U System.*
- 8. Enabled the Jumperless BIOS Flash feature.*
- 9. Updated the BIOS Update Flash Utility.*

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*Product Manager*

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*Date*