

IPMI Firmware / BIOS Release Notes Form

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Product Name	X10DRH-C(T)/i(T)
Release Version	3.1c ME: 3.1.3.72
Release Date	6/25/2019
Previous Version	3.1a
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	1. Changed BIOS version to 3.1c. 2. Updated Intel Server Platform Services 3.1.3.72 for Grantley Refresh Platforms. 3. Updated Haswell-EP/Broadwell-EP CPU microcode from INTEL-SA-00233. 4. Updated VBIOS from 1.03.01 to 1.09.00. 5. Improved tCCD_L value.
New features	N/A
Fixes	N/A

Release Notes from Previous Release(s)

3.1a (4/9/2019)

- 1. Changed BIOS version to 3.1a.*
- 2. Changed memory data width from 72 to 64 in SMBIOS type 17.*
- 3. Updated VBIOS from 0.96.0 to 1.03.01.*
- 4. Fixed issue of system hanging at 0xA9 when populated by 900P NVMe.*

3.1 (6/18/2018)

- 1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.*
- 2. Changed BIOS version to 3.1.*
- 3. Rolled back Intel RC code to v4.2.0.*
- 4. Set Descriptor Region of BIOS Region Write Access to "No".*

3.0a (2/5/2018)

- 1. Updated CPU microcode to address CVE-2017-5715 security patch issue.*
- 2. Updated RC to 4.3.0.*
- 3. Updated microcode to 2A.*
- 4. Changed BIOS revision to 3.0a.*