

IPMI Firmware / BIOS Release Notes Form

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Product Name	X10DDW-IN
Release Version	3.1a ME: 03.01.03.072
Release Date	5/17/2019
Previous Version	3.1
Update Category	Recommended
Dependencies	None
Important Notes	N/A
Enhancements	1. Updated CPU microcodes to Haswell-EP C0/C1/M1 rev. 43 and Broadwell-EP B0/M0/R0 rev. 36. 2. Updated Intel firmware to E5_03.01.03.072.0_WBG_REL SPS. 3. Updated Intel VROC (RSTe) SATA/sSATA driver to version 6.1.0.1017.
New features	N/A
Fixes	N/A

Release Notes from Previous Release(s)

3.1 (3/22/2019)

1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
2. Updated ASTVBIOS to V1.09.00 to address CVE-2019-6260/Pantsdown.
3. Added energy performance configuration to Advanced Power Management.

3.0a (3/1/2018)

1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security patch issue.
2. Updated RC 4.3.0.
3. Added Intel SPI vulnerability patch.
4. Implemented tCCD_L.
5. Enabled setup options for slot1 of RSC-R2UW2E8E16 to be excluded from "Above 4G Decoding".
6. Filled SMBIOS type 11 default OEM string.
7. Fixed missing console redirection output when "Resolution 100x31" is disabled.