

IPMI Firmware / BIOS Release Notes Form

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Product Name	X10DDW-I
Release Version	3.1 ME: 3.1.3.4.0
Release Date	3/22/2019
Previous Version	3.0a
Update Category	Recommended
Dependencies	None
Important Notes	N/A
Enhancements	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.
New features	1. Added energy performance configuration to Advanced Power Management.
Fixes	N/A

Release Notes from Previous Release(s)

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.*