IPMI Firmware / BIOS Release Notes Form

Product Name	**X9DRW-3LN4F+/3TF+**
Release Version	**3.3**
Release Date	**5/30/2018**
Previous Version	**3.2b**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 and CVE-2018-3640) security issue.** **2. Changed to checking KCS status register instead of data register for KCS waiting.** **3. Updated SATA RAID/SCU OPROM/EFI driver to RSTe PreOS v4.6.0.1018.**
New features	**N/A**
Fixes	**1. Fixed problem of 0 showing as length of DMI Type 15 log area.** **2. Fixed issue of the UEFI devices still being bootable after disabling UEFI from boot group.** **3. Fixed inability of the device behind PCI to PCI bridge to be allocated resource.**

	4. Fixed inability of PERR event log to be recorded correctly.
	5. Fixed problem of the shift key being lost when pressing shift key without releasing.
	6. Fixed problem of DMI being cleared after updating BIOS by AFUDOS 2.39 and then updating again by OOB.
	7. Fixed problem of string overlap occurring in "Manage MegaRAID Advanced Software Options" page of AVAGO MegaRAID SAS 9460-8i UEFI driver.