

IPMI Firmware / BIOS Release Notes Form

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Product Name	X9DBU-F
Release Version	3.3
Release Date	9/27/2018
Previous Version	3.2
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. Fixed problem of 0 showing as length of DMI Type 15 log area. 4. Set CECC error reporting to disabled by default. 5. Patched problem of SPS ME NM function "Dynamic CPU Core Allocation Control" working abnormally. 6. Added support for InnoDisk DIMM. 7. Updated RSTe 4.6.0.1091 (PreOS 4.6.0.1018). 8. Added checksum check and retry for PSU FRU information request from BMC to patch missing PSU information in SMBIOS and added support for non-Supermicro PSU.

	9. Added BAR offset judgment code to fix issue of Mellanox IB hanging at POST code 0x91. 10. Updated module for security issues. 11. Implemented security update. 12. Added Intel SPI vulnerability patch.
New features	N/A
Fixes	1. Fixed issue of SUM TC306 and TC317 failing in certain configuration cases. 2. Fixed problem of DMI being cleared after updating BIOS by AFUDOS and then updating again by OOB. 3. Fixed problem of the shift key being lost when pressing shift key without releasing. 4. Fixed failure of SUM TC320. 5. Fixed inability of PERR event log to be recorded correctly. 6. Fixed inability of the device behind PCI to PCI bridge to be allocated resource. 7. Fixed issue of the UEFI devices still being bootable after disabling UEFI from boot group. 8. Fixed inability to insert OA3 and clear OA2 backup area. 9. Fixed problem of DMI being lost after flashing BIOS by tool and then OOB updates BIOS. 10. Fixed inability of Slim DVD ROM to read data from dual layer DVD image. 11. Fixed problem of LSI 9267-8i (LSI 2108) stalling after pressing Ctrl+H to enter WebBIOS. 12. Fixed problem of SOL not working under DOS. 13. Fixed problem of the SMBIOS Type 17 showing TotalWidth & DataWidth information when the memory slot is empty.

	14. Fixed inability of USB Key (USB HDD type) to boot to DOS when 4K Native HDD is attached. 15. Fixed problem of TPM State setup menu not syncing with actual setting. 16. Fixed failure of IPMI system boot command. 17. Fixed problem of string overlap occurring in "Manage MegaRAID Advanced Software Options" page of AVAGO MegaRAID SAS 9460-8i UEFI driver. 18. Fixed missing display of SAFE ID and Serial Number in "Manage MegaRAID Advanced Software Options" page of the first AVAGO MegaRAID SAS 9460-8i UEFI driver when two Broadcom 9460-8i are installed. 19. Fixed problem of PRAD AE_NOT_FOUND occurring in dmesg.
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Release Notes from Previous Release(s)