

## IPMI Firmware / BIOS Release Notes Form

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| <b>Product Name</b>     | <b>X9DB3-TPF</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Release Version</b>  | <b>3.3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Release Date</b>     | <b>10/1/2018</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Previous Version</b> | <b>3.2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Update Category</b>  | <b>Recommended</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Dependencies</b>     | <b>None</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Important Notes</b>  | <b>None</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Enhancements</b>     | <ol style="list-style-type: none"><li>1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 and CVE-2018-3640) security issue.</li><li>2. Changed to checking KCS status register instead of data register for KCS waiting.</li><li>3. Fixed problem of 0 showing as length of DMI Type 15 log area.</li><li>4. Set CECC error reporting to disabled by default.</li><li>5. Patched problem of SPS ME NM function "Dynamic CPU Core Allocation Control" working abnormally.</li><li>6. Added support for InnoDisk DIMM.</li><li>7. Updated RSTe 4.6.0.1091 (PreOS 4.6.0.1018).</li><li>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.</li></ol> |

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

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|  | <p><b>14. Fixed inability of USB Key (USB HDD type) to boot to DOS when 4K Native HDD is attached.</b></p> <p><b>15. Fixed problem of TPM State setup menu not syncing with actual setting.</b></p> <p><b>16. Fixed failure of IPMI system boot command.</b></p> <p><b>17. Fixed problem of string overlap occurring in "Manage MegaRAID Advanced Software Options" page of AVAGO MegaRAID SAS 9460-8i UEFI driver.</b></p> <p><b>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.</b></p> <p><b>19. Fixed problem of PRAD AE_NOT_FOUND occurring in dmesg.</b></p> |
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***Release Notes from Previous Release(s)***