Intel® Solid State Drive Datacenter PCIe\* Microsoft\* Windows\* Driver

Release Notes

July 2019

Software Version 4.3.0.1006

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Driver Revision History

| **Date** | **Document Version** | **Driver Version** | **Description** |
| --- | --- | --- | --- |
| July | 018 | 4.3.0.1006 | Updated Certification. |
| April | 016 | 4.3.0.1006 | New for this release:   * Resolved possible BSOD when issuing a Query Property temperature request * Improved hot plug handling * Improved sequential read/write performance with large block sizes   Known issues:   * Possible BSOD during System Sleep and Hibernate – currently suspected to be caused by a device/PCI error. No workaround at this time. * Possible BSOD during System Sleep and Hibernate with multiple namespaces present |
| November | 015 | 4.2.0.1002 | New for this release:   * Resolved issues with hangs seen with third-party tools that monitor system status via S.M.A.R.T. interface * Improved SCSI to NVMe command translation * Added support for Windows Server 2019   Known issues:   * Possible BSOD when issuing a Query Property temperature request. |
| July | 014 | 4.0.0.1007 | New for this release:   * DLL injection vulnerability (INTEL-SA-00154) was fixed with this release * For more information on INTEL-SA-00154, please visit the following link - <https://www.intel.com/content/www/us/en/security-center/advisory/intel-sa-00154.html> |
| February | 013 | 4.0.0.1007 | New for this release:   * Support for public Windows IOCTLs introduced in Windows 10 * Support for features and functionality defined in the NVMe 1.3 specification |
| December | 012 | 3.2.0.1002 | New for this release:   * Support for Intel Optane DC P4800X Series |
| October | 011 | 3.1.0.1021 | New for this release:   * Fixed BSOD/enumeration issue during hot plug * Fixed BSOD during Windows 7 OS installation |
| August | 010 | 3.1.0.1009 | New for this release:   * Support for additional P4600 Intel Datacenter SSD Series skus, not currently supported in prior driver release * Updates to SCSI translation for commands including Mode Select, Read Capacity, Security IN, and EUI64 |
| May | 009 | 3.0.0.1013 | New for this release:   * Support for P4500 and P4600 Intel Datacenter SSD Series * Hardened Driver Security * Updated to NVMe Spec 1.2c * Added support for Get/Set Feature Payloads when using vendor unique feature IDs * Added support for the Storage Firmware Update IOCTL |
| November | 008 | 1.8.0.1011 | The following was fixed in this release:   * Unified driver build for P3520 & other Intel Datacenter SSD Series * NVMe driver no longer installs over the RSTe driver * Adding support for the Windows 10 FW Update IOCTL * Fixed Yellow Bang after surprise hot-plug that occurs in some cases * Fixed BSOD during queue full condition with I/O * Fixed BSOD during S3 resume that occurs in some cases * Fixed BSOD during device power down that occurs in some cases on Windows 7 |
| August 2016 | 007 | 1.6.0.1001\_x32-x64\_P3520\_only | Added support for P3520 device |
| 1.7.0.1002 | No support for P3520 device |
| July 2016 | 006 | 1.7.0.1002 | The following was fixed in this release:   * BSOD during continuous reboot testing * NVMe DVL errors blocking Windows Server 2016 Certification |
| June 2016 | 1.6.0.1001 | New for this release:   * P3520 Dev ID and string recognition added |
| April 2016 | 005 | 1.5.0.1002 | New for this release:   * Set SCSI Mode Sense FUA bit as supported * Minor performance improvement * Implement SCSI Verify translation to NVMe\* |
| September 2015 | 004 | 1.3.0.1007 | New for this release:   * Windows 10 Certification * Single installer for both x32 and x64 based Operating Systems   The following was fixed in this release:   * After Uninstall device shows an “unknown device,” it now reports as PCIe\* device. * BSOD when installed on systems with 0x120 logical Cores * Installer using silent install does not copy the license. |
| June 2015 | 003 | 1.2.0.1002 | The following was fixed in this release:   * Disable of NVMe Controller takes too long after S3+S4. * WHCK Trim Performance Test executable encounters a divide-by-zero error and fails to execute. * WHCK Rotational Rate Test Fails, Reporting 0 RPM * Update Windows Driver BusType to NVMe |
| February 2015 | 002 | 1.1.0.1004 | The following was fixed in this release:   * 0x9F BSOD during S3/S4 testing * BSOD due to low System Memory under 32bit * Drive does not translate some SCSI commands – READ CAPACITY, REQUEST SENSE and WRITE(6) * Windows Driver INF references Windows XP, there is no driver support and reference was removed |
| September 2014 | 001 | 1.0.0.1023 | Initial release version |