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

Release Notes

February 2018

Software Version 4.0.0.1007

Intel may make changes to specifications and product descriptions at any time, without notice. Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined". Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The information here is subject to change   
without notice. Do not finalize a design with this information.

The products described in this document may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Contact your local Intel sales office or your distributor to obtain the latest specifications and before placing your product order.

Copies of documents which have an order number and are referenced in this document, or other Intel literature, may be obtained by calling   
1-800-548-4725, or go to: http://www.intel.com/design/literature.htm

All products, computer systems, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice.

Intel and the Intel logo are trademarks of Intel Corporation in the U.S. and/or other countries.

\*Other names and brands may be claimed as the property of others.

Copyright © 2018 Intel Corporation. All rights reserved.

Driver Revision History

| **Date** | **Document Version** | **Driver Version** | **Description** |
| --- | --- | --- | --- |
| 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 |