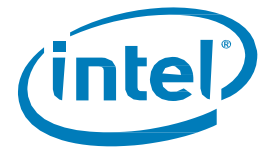


Intel® Solid State Drive Datacenter PCIe* Microsoft* Windows* Driver

Release Notes

September 2021

Software Version 5.3.0.1005



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Driver Revision History

Date	Document Version	Driver Version	Description
September	024	5.3.0.1005	New for this release: <ul style="list-style-type: none"> • Support for Server 2022
March	023	5.2.0.1006	New for this release: <ul style="list-style-type: none"> • Support for Intel(R) Optane(tm) SSD P1600X Series • New Installer framework • Fixed a sporadic BSOD which occurs during power management
October	022	5.1.0.1003	New for this release: <ul style="list-style-type: none"> • Support for Intel Optane P5800X • Fixed issue where multiple requests for Log Sense information would cause a sporadic BSOD • Change in the way SSD model strings are displayed in Windows Device Manager.
April	020	5.0.0.1002	New for this release: <ul style="list-style-type: none"> • Support for Intel SSD D7-P5500/P5600 Series • Resolved Event ID 56 logged when 2 or more identical NVMe drives in a system • Removed support for Windows Server 2008 R2
September	019	4.4.0.1003	New for this release: <ul style="list-style-type: none"> • Resolved possible BSOD when issuing a temperature request • Windows* PowerShell* interface returns correct information for Serial Number
July	018	4.3.0.1006	Updated Certification.



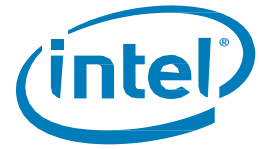
Date	Document Version	Driver Version	Description
April	016	4.3.0.1006	<p>New for this release:</p> <ul style="list-style-type: none"> • Resolved possible BSOD when issuing a Query Property temperature request • Improved hot plug handling • Improved sequential read/write performance with large block sizes <p>Known issues:</p> <ul style="list-style-type: none"> • 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	<p>New for this release:</p> <ul style="list-style-type: none"> • 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 <p>Known issues:</p> <ul style="list-style-type: none"> • Possible BSOD when issuing a Query Property temperature request.
July	014	4.0.0.1007	<p>New for this release:</p> <ul style="list-style-type: none"> • 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	<p>New for this release:</p> <ul style="list-style-type: none"> • Support for public Windows IOCTLs introduced in Windows 10 • Support for features and functionality defined in the NVMe 1.3 specification



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December	012	3.2.0.1002	New for this release: <ul style="list-style-type: none"> Support for Intel Optane DC P4800X Series
October	011	3.1.0.1021	New for this release: <ul style="list-style-type: none"> Fixed BSOD/enumeration issue during hot plug Fixed BSOD during Windows 7 OS installation
August	010	3.1.0.1009	New for this release: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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



Date	Document Version	Driver Version	Description
		1.7.0.1002	No support for P3520 device
July 2016	006	1.7.0.1002	The following was fixed in this release: <ul style="list-style-type: none"> • BSOD during continuous reboot testing • NVMe DVL errors blocking Windows Server 2016 Certification
June 2016		1.6.0.1001	New for this release: <ul style="list-style-type: none"> • P3520 Dev ID and string recognition added
April 2016	005	1.5.0.1002	New for this release: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Windows 10 Certification • Single installer for both x32 and x64 based Operating Systems The following was fixed in this release: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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



Date	Document Version	Driver Version	Description
September 2014	001	1.0.0.1023	Initial release version