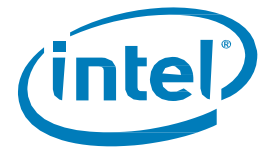


Intel® Solid State Drive Client PCIe* Microsoft* Windows* Driver

Release Notes

June 2021

Software Version 5.2.0.1006



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Driver Revision History

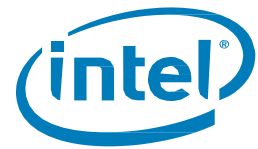
Date	Document Version	Driver Version	Description
June	024	5.2.0.1006	<p>New for this release:</p> <ul style="list-style-type: none"> • New Installer framework • Fixed a sporadic BSOD which occurs during power management
October	023	5.1.0.1003	<p>New for this release:</p> <ul style="list-style-type: none"> • 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	021	5.0.0.1002	<p>New for this release:</p> <ul style="list-style-type: none"> • Multiple bug fixes • Removed support for Windows 7
September	020	4.4.0.1003	<p>New for this release:</p> <ul style="list-style-type: none"> • Added support for Intel(R) SSD 665p Series • Resolved possible BSOD when issuing a temperature request • Windows* PowerShell* interface returns correct information for Serial Number
July	019	4.3.0.1006	Updated with certification for Microsoft Windows 10 Client family version 1903
April	017	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 <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



Date	Document Version	Driver Version	Description
November	016	4.2.0.1002	<p>New for this release:</p> <ul style="list-style-type: none"> • Support for Intel SSD 660p Series • 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 <p>Known issues:</p> <ul style="list-style-type: none"> • Possible BSOD when issuing a Query Property temperature request.
July	015	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
April	014	4.0.0.1007	<p>New for this release:</p> <ul style="list-style-type: none"> • Support for Intel Optane 905P Series
February	013	4.0.0.1007	<p>New for this release:</p> <ul style="list-style-type: none"> • Support for Intel SSD Pro 7600p/760p/E 6100p Series • 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	<p>New for this release:</p> <ul style="list-style-type: none"> • Support for Intel Optane 900P Series
October	011	3.1.0.1021	<p>New for this release:</p> <ul style="list-style-type: none"> • Fixed BSOD/enumeration issue during hot plug • Fixed BSOD during Windows 7 OS installation



Date	Document Version	Driver Version	Description
August	010	3.1.0.1009	New for this release: <ul style="list-style-type: none"> • 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"> • 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"> • 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
July 2016 June 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
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*



Date	Document Version	Driver Version	Description
September 2015	004	1.3.0.1007	<p>New for this release:</p> <ul style="list-style-type: none"> • Windows 10 Certification • Single installer for both x32 and x64 based Operating Systems <p>The following was fixed in this release:</p> <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	<p>The following was fixed in this release:</p> <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	<p>The following was fixed in this release:</p> <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
September 2014	001	1.0.0.1023	<ul style="list-style-type: none"> • Initial release version
			<ul style="list-style-type: none"> •