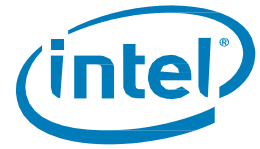


Intel® Solid State Drive Client PCIe* Microsoft* Windows* Driver

Release Notes

July 2018

Software Version 3.2.0.1002



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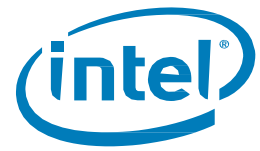


Driver Revision History

Date	Document Version	Driver Version	Description
July	013	3.2.0.1002	<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
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
August	010	3.1.0.1009	<p>New for this release:</p> <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	<p>New for this release:</p> <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



Date	Document Version	Driver Version	Description
November	008	1.8.0.1011	<p>The following was fixed in this release:</p> <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	<p>The following was fixed in this release:</p> <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	<p>New for this release:</p> <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	<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



Date	Document Version	Driver Version	Description
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) <ul style="list-style-type: none"> • 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"> •