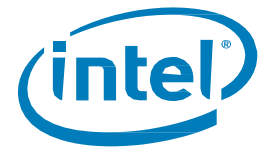


Intel® Solid State Drive Data Center Family for PCIe* Microsoft* Windows* Driver

Release Notes

July 2018

Software Version 3.1.0.1021



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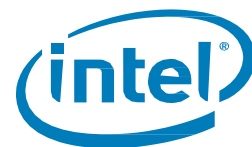
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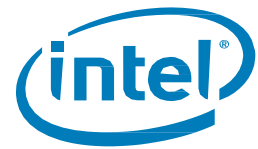


Driver Revision History

Date	Document Version	Driver Version	Description
July	012	3.1.0.1021	<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
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"> 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	<p>New for this release:</p> <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



Date	Document Version	Driver Version	Description
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
		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.



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