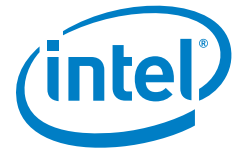


PRODUCT BRIEF

Intel® Solid State Drive Pro 5400s Series



Best for Business

Enterprise-Ready Security and Manageability.

The Intel® SSD Pro 5400s Series delivers power efficient performance with enterprise-ready security and manageability.



Best for Business

In today's demanding business environment, there is a growing need for reliable, high-speed storage partnered with manageable, robust security features. The Intel® Solid State Drive Pro 5400s Series is designed to meet business needs by enabling blazing fast performance and simultaneously upgrading a system's security and manageability profile.

The Intel SSD Pro 5400s Series is available in capacities ranging from 120GB to 1TB in thin 2.5-inch and ultra-sleek M.2 form factors, to support all business client needs.

Support Industry Standards

The Pro 5400s Series delivers support of the Trusted Computing Group's Opal 2.0* protocol and Microsoft* eDrive.

Manage Remotely

Improve IT efficiency where it matters most. The Pro 5400s Series works seamlessly with Intel® Active Management Technology and industry-leading software vendors to enable remote password management and proactively monitor drive health and performance.

Repurpose a Drive Easily

Reduce administrative costs and reinvest your IT time in higher priorities through the use of Pro 5400s Series that support Intel® Remote Secure Erase as your solution of choice.

When a PC is retired or repurposed, information security policies often require data be "wiped" from the drive. Wiping can be difficult and time consuming.

An Intel® Remote Secure Erase-based solution provides the IT administrator a way to wipe out all data, allowing for immediate reuse while saving significant administrative time and costs. Unique to this solution is the capability to complete the secure erase independent of a functioning OS while being fully integrated with a familiar IT management console.

Charge Your Device Less Often

The Pro 5400s Series reduces idle consumption by >90% over a typical hard drive disk reducing power consumption from watts to milliwatts.¹ When coupled with a 6th generation Intel® Core™-based platform, the advanced power mode settings reduce power consumption another order of magnitude—from milliwatts to microwatts.

Performance that Matters

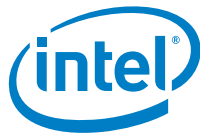
The Pro 5400s Series is architected to optimize performance for a 70%/30% 4KB random read/write mixed work load, the most utilized workload across common applications—delivering performance where it matters.

Product Spotlight

- Remote Manageability w/ Intel® vPro™ and Intel® AMT
- AES 256-bit self-encryption
- Easy and safe data wipe with Intel® Remote Secure Erase
- Low TCO
- Low power consumption
- Capacities up to 1TB
- Backed by Intel's five year warranty

TECHNICAL SPECIFICATIONS¹

Model Name	Intel Solid State Drive Pro 5400s Series				
Capacity (GB)	M.2 - 120, 180, 240, 360, 480, 1000 (1TB is double-sided) 2.5-inch - 120, 180, 240, 360, 480, 1000				
NAND Flash Memory	16nm NAND Flash Memory Tri-Level Cell (TLC)				
Bandwidth	Form Factor	Sequential Read (up to) ²	Sequential Write (up to) ²	Random Read (up to) ²	Random Write (up to) ³
	M.2 and 2.5-inch	560 MB/s	480 MB/s	78K IOPs	85K IOPs
Interface	SATA 6Gb/s, compatible with SATA 3Gb/s				
Form Factor, Height and Weight	Form Factor	Height/Weight			
	M.2 (80mm)	Up to 3.73mm / up to 7 grams			
	2.5-inch	Up to 7mm / up to 68 grams			
Life Expectancy ⁴	1.6 million hours Mean Time Between Failures (MTBF)				
Power Consumption M.2	Active: 80 mW Typical ⁵		Idle: 40 mW Typical ⁶		DevSleep: 3mW
Power Consumption 2.5-inch	Active: 90 mW Typical ⁵		Idle: 50 mW Typical ⁶		DevSleep: 5mW
Operating Temperature	0°C to 70°C				
RoHS Compliance	Meets the requirements of European Union (EU) RoHS Compliance Directives				
Software Tools	Intel® Solid State Drive Toolbox with Intel® SSD Optimizer at www.intel.com/go/ssdtoolbox				
	Intel® Data Migration Software at www.intel.com/go/ssdinstallation				
	Intel® SSD Pro Administrator Tool at https://downloadcenter.intel.com/download/24007/Intel-SSD-Pro-Administrator-Tool				



For more information, visit www.intel.com/ssd

¹ Based on the Intel SSD 540s Series Product Specifications: <http://www.intel.com/content/www/us/en/solid-state-drives/ssd-pro-5400s-series-spec.html> and <http://www.intel.com/content/www/us/en/solid-state-drives/ssd-pro-5400s-series-m2-spec.html>

² Performance varies by capacity and is measured by Intel using IOMeter* with Queue Depth 32.

³ Random 4KB writes measured using out-of-box SSD

⁴ All documented endurance test results are obtained in compliance with JESD218 Standards. See www.jedec.org for detailed definitions of JESD218 Standards.

⁵ Active power measured during execution of MobileMark* 2012 Workload with SATA Link Power Management (LPM) enabled.

⁶ Idle power defined as SSD at idle with SATA Link Power Management (LPM) enabled. Idle power measured by temperature sensor, SMART Attribute BEh. Active airflow is recommended within the system for managing proper device operating temperatures in heavier workloads.

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at www.intel.com/ssd

Tests document performance of components on a particular test, in specific systems. Differences in hardware, software, or configuration will affect actual performance. Consult other sources of information to evaluate performance as you consider your purchase.

Cost reduction scenarios described are intended as examples of how a given Intel- based product, in the specified circumstances and configurations, may affect future costs and provide cost savings. Circumstances will vary. Intel does not guarantee any costs or cost reduction.

IOMeter* Test and System Configurations: Intel® Core™ i7-4790 (8MB L3 Cache, 3.60GHz), ASUS* Deluxe Z97I-PLUS motherboard, Intel® HD Graphics 4600 driver 10.18.10.3920, BIOS: AMI* 2605 5/19/2015, Chipset: Intel® INF 10.0.16.0, Memory: 8GB (2X4GB) Kingston DDR3-1555, Intel® RST driver 13.5, Microsoft* Windows 7 Enterprise 64-bit with SP1.

For more complete information about performance and benchmark results, visit <http://www.intel.com/performance>

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 visiting Intel's Web site at www.intel.com.

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