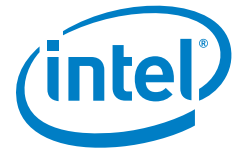


PRODUCT BRIEF

Intel® Solid State Drive E 5400s Series



Built-in Reliability

Built-in Reliability Your Data Deserves

Trust the Intel® SSD E 5400s to reliably and consistently optimize the value of your data.



Superior Choice

Intel® Solid State Drive E 5400s Series: Intel's superior choice for embedded and IoT applications.

Experience the exceptional performance of the Intel® SSD E 5400s Series. Available in densities ranging from 48GB to 180GB, the E 5400s Series offers a low power solution for excellent durability, lasting integrity, security features, manageability, and performance features across a variety of applications.

More Value

Lasting integrity and consistency means more value for you and your customers.

Your data deserves the highest level of integrity, regardless of where it was captured. Because your embedded and IoT solutions have to work in rigorous conditions, we engineered reliability into the E 5400s Series from the beginning, so you can focus on your business and customers.

Add Security to Your Data

Security is critical for embedded and IoT applications. Intel understands that.

The E 5400s Series offers built-in security through AES 256-bit self-encryption to help protect your data.

Additionally, with Intel® Remote Secure Erase, you can easily and completely erase the drive to negate any risk of ghost data continuing to live on after drive destruction. This helps ensure that your customers' most sensitive data remains safeguarded.

Reputable Intel Quality & Reliability

The E 5400s Series is backed by Intel's five year limited warranty, including Intel's world class post-sales customer support.

Extended Supply Life

The E 5400s Series offers a robust supply life, helping you to reliably minimize unnecessary development costs.

Benefit from Intel Expertise Across the Entire Technology Spectrum

The E 5400s Series is designed to work with the entire Intel platform, from CPU to chipset, network interface, firmware, and drivers.

With "better together" capabilities you'll benefit from the engineering across all ingredients, not just the SSDs, empowering you to focus on designing the best possible solution for your customers.

Best for IoT

Your best IoT solutions are built with Intel technology.

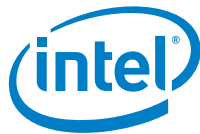
Data is vital when it comes to extracting the value of IoT solutions. The E 5400s Series reliably captures, stores, and manages data to accelerate decision-making.

Product Spotlight

- AES 256-bit self-encryption
- Easy and safe data wipe with Intel® Remote Secure Erase
- Capacities as low as 48GB
- Extended supply life
- Low power consumption
- Backed by Intel's five year warranty

TECHNICAL SPECIFICATIONS¹

| | | | | | |
|--------------------------------|--|---|--|-------------------------------------|--------------------------------------|
| Model Name | Intel Solid State Drive E 5400s Series | | | | |
| Capacity (GB) | M.2 - 48, 80, 120, 180 2.5-inch - 80, 120, 180 | | | | |
| NAND Flash Memory | 16nm NAND Flash Memory Tri-Level Cell (TLC) | | | | |
| Bandwidth | Form Factor Capacity Point | Sequential Read (up to) ² | Sequential Write (up to) ² | Random Read (up to) ² | Random Write (up to) ³ |
| | M.2 48GB, 80GB, 120GB, 180GB | 560 MB/s | 475 MB/s | 71K IOPs | 85K IOPs |
| | 2.5-inch 80GB, 120GB, 180GB | 560 MB/s | 475 MB/s | 71K 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 2.38mm / up to 7 grams | | | |
| | 2.5-inch | Up to 7mm / up to 58 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 E 5400s Series Product Specifications: <http://www.intel.com/content/www/us/en/embedded/products/solid-state-drives/e5400s-product-spec.html> and <http://www.intel.com/content/www/us/en/embedded/products/solid-state-drives/e5400s-m2-product-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.

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.

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