PRODUCT BRIEF

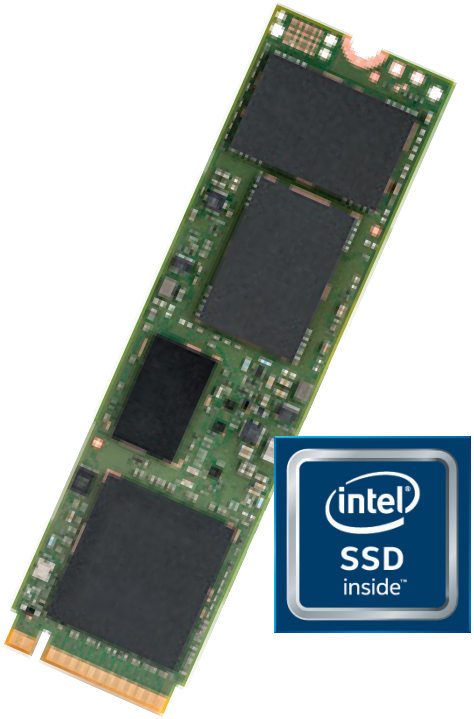
Intel® Solid State Drive E 6000p Series

Embedded (E), PCIe*, 3D NAND

Built-in Reliability

Built-in Reliability Your Data Deserves

Trust the Intel® SSD E 6000p to reliably and consistently optimize the value of your data.



Product Spotlight

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

Accelerate Your Data

Accelerate your data with the Intel® Solid State Drive E 6000p Series featuring a PCIe* Gen3 x4, NVMe* interface.

Available in 128GB and 256GB capacities, the Intel® SSD E 6000p Series offers a low power solution for excellent durability, lasting integrity, security features, manageability, and performance features across a variety of applications, including point-of-sale and digital signage.

Intel® 3D NAND SSDs

The Intel® SSD E 6000p Series is part of the Intel® 3D NAND SSD family of products. Built on breakthrough 3D NAND and delivered by a proven and trusted supplier, Intel® 3D NAND SSDs transform the economics of storage.

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 6000p Series from the beginning, so you can focus on your business and customers.

Add Security to Your Data

Security is critical for embedded applications and IoT solutions. The E 6000p 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.

Extended Supply Life

The E 6000p Series offers a robust supply life, helping you reliably minimize unnecessary development costs.

Benefit from Intel Expertise Across the Entire Technology Spectrum

The E 6000p 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 6000p Series reliably captures, stores, and manages data to accelerate decision-making.

Intel Quality & Reliability

The E 6000p Series is backed by Intel's five year limited warranty, including Intel's world class post-sales customer support.

TECHNICAL SPECIFICATIONS[1]

Model Name		Intel® Solid State Drive E 6000p Series				
Capacity (GB)		128, 256 (both single-sided)				
NAND Flash Memory		3D Tri-Level Cell (TLC)				
Bandwidth		Sequential Read (up to) [2]	Sequential Write (up to) [2]	Random Read (up to) [2]	Random Write (up to) [3]	
	128	770 MB/s	450 MB/s	35K IOPS	91.5K IOPS	
	256	1570 MB/s	540 MB/s	71K IOPS	112K IOPS	
Interface		PCIe* Gen3 x4, NVMe*				
Form Factor, Height and Weight		**Form Factor**		**Height/Weight**		
		M.2 (80mm)		< 2.38mm / <10 grams		
Life Expectancy[4]		1.6 million hours Mean Time Between Failures (MTBF)				
Power Consumption		Active: 100mW Typical[5]		Idle: 40 mW Typical[6]		L1.2 Sleep 5mW[7]
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**[8] 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 6000p Series Product Specifications: Contact your local Intel sales office or your distributor to obtain the latest specifications.
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* 2014 with PCIe ASPM and NVMe low power states
6. Power measured during Windows Idle on system with PCIe ASPM and NVMe low power states
7. Power consumption during PCIe L1.2 link state with NVMe PS4 for lowest power consumption.
8. Toolbox available November 2016.

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 10.1.1.9, 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 onre-quest. Contact your local Intel sales office or your distributor to obtain the latest specifications and before placing your product order.

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