Twice the Capacity.
Twice the Performance.
Half the Power Consumption.

Accelerate your PC performance with the optimal PCIe* bandwidth of the Intel® SSD 760p Series.
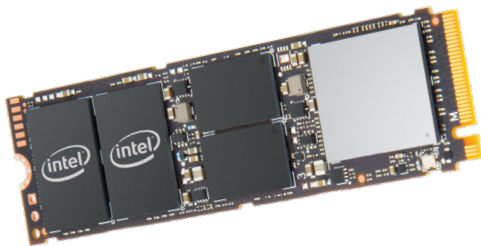
The Intel® SSD 760p Series combines PCIe* performance, versatile capacities, and high-quality Intel® 3D NAND technology to deliver twice capacity, twice the performance, and up to 50% of the power consumption[1] than its previous generation – the Intel® SSD 600p Series.

The Intel SSD 760p features an M.2 thin profile with PCIe Gen3 x4, NVMe* interfaces, and is ideal for a wide range of devices from desktops to laptops. The SSD is backed by a five-year limited warranty and Intel's world-class quality leadership.

Performance to Handle Multiple Tasks

The SSD 760p is designed to effortlessly manage demanding consumer client applications and easily handle intense multi-tasking.

The SSD 760p accelerates platform performance with sequential reads of up to 3,230 megabytes, sequential writes of up to 1625 megabytes per second (MB/s), and random read and write input/output operations per second (IOPS) of up to 340K and 275K, respectively.[2]

The SSD 760p enables PC users to experience enhanced efficiency with the applications they care about, and up to 6x better performance[2] than SATA SSDs.

3D NAND Delivers Up to 2TB Capacity

The SSD 760p is part of the Intel® 3D NAND SSD family of products. Built on Intel® 3D NAND Technology, these SSDs are designed to transform the economics of storage. The SSD 760p offers capacity points up to 1TB on single-sided M.2, and up to 2TB on double-sided M.2, enabling system designers the flexibility to design for thin/light systems or to provide space for other components.

The combination of Intel® 3D NAND technology and PCIe enables Intel® SSDs to push the limits of performance and value.

Performance at Lower Power

The SSD 760p provides extended battery life through low power modes. It reduces idle consumption by >90% compared to a typical hard disk drive, reducing power consumption from watts to milliwatts.[3] When coupled with an 8th generation Intel® Core™ processor-based platform, the advanced power mode settings reduce active and idle power consumption by up to 50% versus the prior generation device (SSD 600p Series).[1]

Quality & Reliability You Can Trust

The SSD 760p is backed by Intel's five-year limited warranty, including Intel's world-class post sales customer support. The SSD 760p also supports AES 256-bit self-encryption to provide protection of critical data stored on the device.

Intel® SSD 760p – great for Desktop and Mobile PCs.

FEATURES-AT-A-GLANCE[2]				
Model Name	Intel® Solid State Drive 760p Series			
Capacity (GB)	128GB, 256GB, 512GB, 1TB (all single-sided) ; 2TB (double-sided)			
NAND Flash Memory	64-layer, TLC, Intel® 3D NAND Technology			
Bandwidth	Sequential Read (up to)[4]	Sequential Write (up to)[4]	Random Read (up to)[4]	Random Write (up to)[4]
	3230 MB/s	1625 MB/s	340K IOPS	275K IOPS
Interface	PCIe* Gen3 x4, NVMe*			
Form Factor, Height and Weight	**Form Factor**		**Height/Weight**	
	M.2 (80mm)		Up to 2.38mm / up to 10 grams	
Life Expectancy[5]	1.6 million hours Mean Time Between Failure (MTBF)			
Power Consumption	Active: 50mW Typical[6]		Idle: 25mW Typical[3]	L1.2 Sleep: 3mW Typical[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			
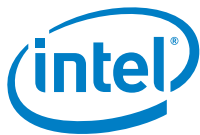
For more information, visit intel.com/ssd

1. Power consumption comparison: MobileMark 2014 V1.5. Drives being compared: Intel® SSD 600p vs Intel® SSD 760p. System: Lenovo* Ideapad 720s. Processor: Intel® i7-8550U @4.0 GHz Turbo Frequency, 8T/4C, 8MB cache, 15 W TDP. OS: Windows 10 Pro (x64). Drive is configured as primary drive plugged into M.2 slot through a adaptor card and power measured and collected using Agilent 6705B while running MobileMark 2014 V1.5

2. Based on the Intel® SSD 760p Series Product Specifications. IOMeter Test and System Configurations: Intel® Core™ i7-5960X @ 3.00GHz, ASRock* Deluxe X99 motherboard, NVIDIA* Geforce 2109.18.13.4195, BIOS: AMI* P1.90, Chipset: Intel® INF 10.0.20.0, Memory: 16GB (4X4GB) Corsair* DDR4-2400, Microsoft* Windows 10 Enterprise 64-bit using native NVMe storage driver. Comparison to SATA drive: Intel® SSD 545s IOMeter Test and System Configurations: Intel® Core™ i7-4790X @ 3.60GHz, Memory: 8GB (2x4GB) Kingston DDR3-1555; Chipset: Intel® INF 10.0.16.0.

3. Intel® SSD idle power as measured with PCIe* ASPM and NVMe* low power states as compared to typical Western Digital Mobile Series 5400 RPM HDD idle power product specification.

4. Performance varies by capacity and is measured by Intel using IOMeter*.

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

6. Active power measured during execution of MobileMark* 2014 with PCIe ASPM and NVMe low power states.

7. Power consumption during PCIe L1.2 link state with NVMe PS4 for lowest power consumption.

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.

Benchmark results were obtained prior to implementation of recent software patches and firmware updates intended to address exploits referred to as "Spectre" and "Meltdown". Implementation of these updates may make these results inapplicable to your device or system. For more information go to www.intel.com/benchmarks.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.

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.