PRODUCT BRIEF

Intel® SSD 660p Series
PCIe* (p), 3D NAND

Intel® QLC Technology Built for the PC. Capacity at an Amazing Price.

Finally, PCIe* and Intel® QLC 3D NAND in one SSD.

Industry Recognition

The Intel® SSD 660p has received significant industry praise and high marks, garnering multiple "awards" and badges, including:

- ***AnandTech*** Recommended
- ***Hot Hardware*** Recommended
- ***Legit Review*** Value Award
- ***PC Perspective*** Editor's Choice
- ***Tom's Hardware*** Editor's Choice

Meet today's storage needs and prepare for the growing demands of tomorrow with the Intel® SSD 660p built on Intel® QLC 3D NAND technology.

The Intel SSD 660p is the first QLC-based client PCIe* SSD in the industry, continuing Intel's leadership in flash cell technology and quality manufacturing. The SSD 660p finally fits low-cost and high-capacity—up to 2TB—into one drive.

PCIe* Performance at an Affordable Price

Empowered by Intel's innovative Intel® QLC technology, the Intel SSD 660p offers higher capacities at a lower cost than TLC-based options.[2] Delivering capacity-optimized NVMe* performance and an intelligent storage option for mainstream and entry-level computing, the SSD 660p offers 512GB, 1TB, and 2TB, and at an affordable price.[2]

2x the Capacity in Identical Footprints[1]

These client SSDs pack more data than TLC-based storage, allowing up to 2x more capacity in identical footprints. The thin M.2 80mm form factor makes it perfect for notebooks, desktops, and mobile devices that need storage for everyday computing.

Intel QLC technology is built on a unique architecture that provides performance, high capacities, quality, and reliability. We have developed this dynamic architecture that changes cell configuration to ensure customers get the storage capacity they need at the performance they expect.

Delivering capacity-optimized NVMe* performance and an intelligent storage option for mainstream and entry-level computing, the SSD 660p offers 512GB, 1TB, and 2TB, and at an affordable price.[2]

Why Intel?

Our complete product life cycle support extends from ecosystem enabling to post-sales support. Paired with the quality of our supply chain, Intel has a foundation in innovation leadership.

That foundation results in drives with robust and lasting data integrity, reliably effective performance, and increased platform confidence through our unique position as a platform provider. Intel knows workloads, and we architect our products to excel in real world use.

FEATURES-AT-A-GLANCE	
MODEL	**Intel® SSD 660p**
Capacity and Form Factor	M.2 2280-S3-M 512GB, 1024GB (1TB), 2048GB (2TB)
	Height and Weight: 80mm, <10 grams
Interface	PCIe* 3.0x4, NVMe*
Media	64-layer, QLC, 3D NAND
Performance[3]	Sequential Read: up to 1,800MB/s, Sequential Write: up to 1800MB/s
	Random 4KB Reads: up to 250,000 IOPS, Random 4KB Writes: up to 250,000 IOPS
Power	Active: 100mW, Idle: 40mW
Operating Temperature	0° C to 70° C
Warranty	5-year limited warranty

To learn more, visit www.intel.com/ssd

1 2x more capacity in identical footprints based on specification comparisons between the Intel® SSD 660p (up to 2TB) and Intel® SSD 600 (up to 1TB)

2 Intel® SSD 660p 512GB vs Intel® SSD 545s 512GB ($109.99) Source: Intel.com

3 IOMeter Test and System Configurations: Intel® Core™ i7-8700K @ 3.70GHz, Gigabyte 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. Performance values vary by capacity.

4 As measured by Mobile Mark 2014 benchmark compared to Intel® SSD 545s and PCIe* Intel® SSD 760p 2TB.

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. For more complete information visit www.intel.com/benchmarks.

Performance results are based on testing as of August 2, 2018 and may not reflect all publicly available security updates. See configuration disclosure for details. No product or component can be absolutely secure.

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 to learn more.

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