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.

Meet today's storage needs and prepare for the growing demands of tomorrow with the Intel® SSD 660p Series 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 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] With PCIe, the new SSD 660p skips SATA and its limitations to offer up to 2TB in one drive.

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.

The architecture of Intel QLC technology in the SSD 660p is made to intelligently boost performance. QLC and SLC "spans" on the drive adjust bi-directionally based on used capacity for the life of the product. Increases in capacity usage trigger the SLC span to decrease, and decreases in capacity usage trigger the SLC span to increase.

Performance and Price that Matter

The SSD 660p hits the marks that matter for client SSDs. This drive is tuned to deliver a capacity optimized NVMe* performance and deliver an intelligent storage option for mainstream and entry-level computing. Offered in 512GB, 1TB, and 2TB, and at an affordable price.[2]

Why Intel?

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

Our 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 NAME	Intel® Solid State Drive 660p Series
Capacity (GB)	512, 1024 (1TB), 2048 (2TB)
NAND Flash Memory	64-layer, QLC, Intel® 3D NAND
Bandwidth	Sequential Read: up to 1800MB/s, Sequential Write: up to 1800MB/s
Bandwidth	Random 4KB Reads: up to 220,000 IOPS, Random 4KB Writes: up to 220,00 IOPS
Interface	PCIe* 3.0x4, NVMe*
Form Factor, Height, Weight	80mm M.2 2280, S3, <10 grams
Power Consumption	Active: 100mW, Idle: 40mW
Operating Tempurature	0° C to 70° C
Warranty	5-year limited warranty

High Capacity NVMe* PCIe* SSDs For Everyday Computing.

More Value
Better Performance

Intel® QLC 3D NAND

Low Power[3]

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 As measured by MM14 benchmark compared to SATA Intel® SSD 545s and PCIe* Intel® SSD 760p

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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The benchmark results may need to be revised as additional testing is conducted. The results depend on the specific platform configurations and workloads utilized in the testing, and may not be applicable to any particular user's components, computer system or workloads. The results are not necessarily representative of other benchmarks and other benchmark results may show greater or lesser impact from mitigations.

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.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors.

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