

# 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 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.<sup>2</sup> 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.<sup>2</sup>

#### 2x the Capacity in Identical Footprints<sup>1</sup>

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.<sup>2</sup>

#### 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.

### 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

**FEATURES-AT-A-GLANCE**

MODEL	Intel® SSD 660p
Capacity and Form Factor	M.2 2280-S3-M 512 GB, 1024 GB (1 TB), 2048 GB (2 TB) Height and Weight: 80mm, <10 grams
Interface	PCIe 3.0x4, NVMe
Media	64-layer, QLC, 3D NAND
Performance <sup>3</sup>	Sequential Read: up to 1,800 MB/s, Sequential Write: up to 1,800 MB/s Random 4 KB Reads: up to 220,000 IOPS, Random 4 KB Writes: up to 220,000 IOPS
Endurance	512 GB: 100 TBW 1 TB: 200 TBW 2 TB: 400 TBW TBW=Terabytes written
Power	Active: 100 mW, Idle: 40 mW
Operating Temperature	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  
Technology



Low Power<sup>4</sup>



To learn more, visit [www.intel.com/ssd](http://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 1 TB)

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

3 IOMeter test and system configurations: Intel® Core™ i7-8700K @ 3.70 GHz, Gigabyte motherboard, NVIDIA GeForce 2109.18.13.4195, BIOS: AMI P1.90, Chipset: Intel® INF 10.0.20.0, Memory: 16GB (4x4GB) Corsair DDR4-240, 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 2 TB.

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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