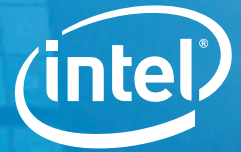


# PRODUCT BRIEF

Intel® SSD 665p  
PCIe, 3D NAND



## Intel® QLC Technology Built for the PC. Industry-Leading Innovation.<sup>1</sup>

### PCIe performance and endurance for everyday computing needs.



Meet today's storage needs and prepare for the growing demands of tomorrow with the high capacity, affordable Intel® SSD 665p built on Intel® QLC 3D NAND technology. Continuing Intel's technology leadership in QLC 3D NAND technology development and quality manufacturing, the Intel SSD 665p is the first 96-layer QLC-based PCIe SSD.<sup>1</sup>

#### PCIe Performance and High Capacity

With up to 2TB capacity on a single drive, the Intel SSD 665p offers great value for everyday computing and mainstream gaming and content creation. The thin M.2 80mm form factor, perfect for notebooks, desktops and mobile devices, is powered by Intel's innovative QLC technology.

The Intel SSD 665p, the latest Intel QLC 3D NAND SSD, offers improved performance and up to 1.5x the endurance, up to 600 TBW, as compared to Intel's previous QLC SSD.<sup>2</sup> Delivering capacity-optimized NVMe performance, the QLC-based SSD is an intelligent storage option for everyday computing needs.

#### Intel QLC technology leadership

Intel® QLC technology offers performance, high capacities, quality and reliability. The innovative floating gate architecture has tight, symmetrical layers and no cell overhead. Additionally, this dynamic architecture changes cell configuration to meet customer demands for storage capacity and performance.

#### Why Intel?

Intel knows workloads, and we architect our product to excel in real world use. Our complete product life cycle support extends from ecosystem enabling to post-sales support. The result is drives with robust and lasting data integrity, reliable performance, and platform confidence.

#### High Capacity NVMe PCIe SSDs for Everyday Computing



More Value  
Better Performance



Intel® QLC 3D NAND  
Technology



Low Power

FEATURES-AT-A-GLANCE

MODEL	Intel® SSD 665p
Capacity and Form Factor	M.2 2280-S3-M 1024 GB (1 TB), 2048 GB (2 TB) Height and Weight: 80mm, <10 grams
Interface	PCIe 3.0x4, NVMe
Media	96-layer, QLC, 3D NAND
Performance	Sequential Read: Up to 2,000 MB/s; Sequential Write: Up to 2,000 MB/s Random 4KB Reads: Up to 250,000 IOPS; Random 4KB Writes: Up to 250,000 IOPS
Endurance	1 TB: 300 TBW 2 TB: 600 TBW TBW=Terabytes written
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](http://www.intel.com/ssd)

1. Based on Intel NSG forecasting and 3rd party research.
2. Comparing the Intel® SSD 665p to the Intel® SSD 660p. Product brief: <https://www.intel.com/content/www/us/en/products/docs/memory-storage/solid-state-drives/consumer-ssds/660p-series-brief.html>

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