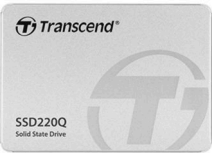


2.5" SSDs



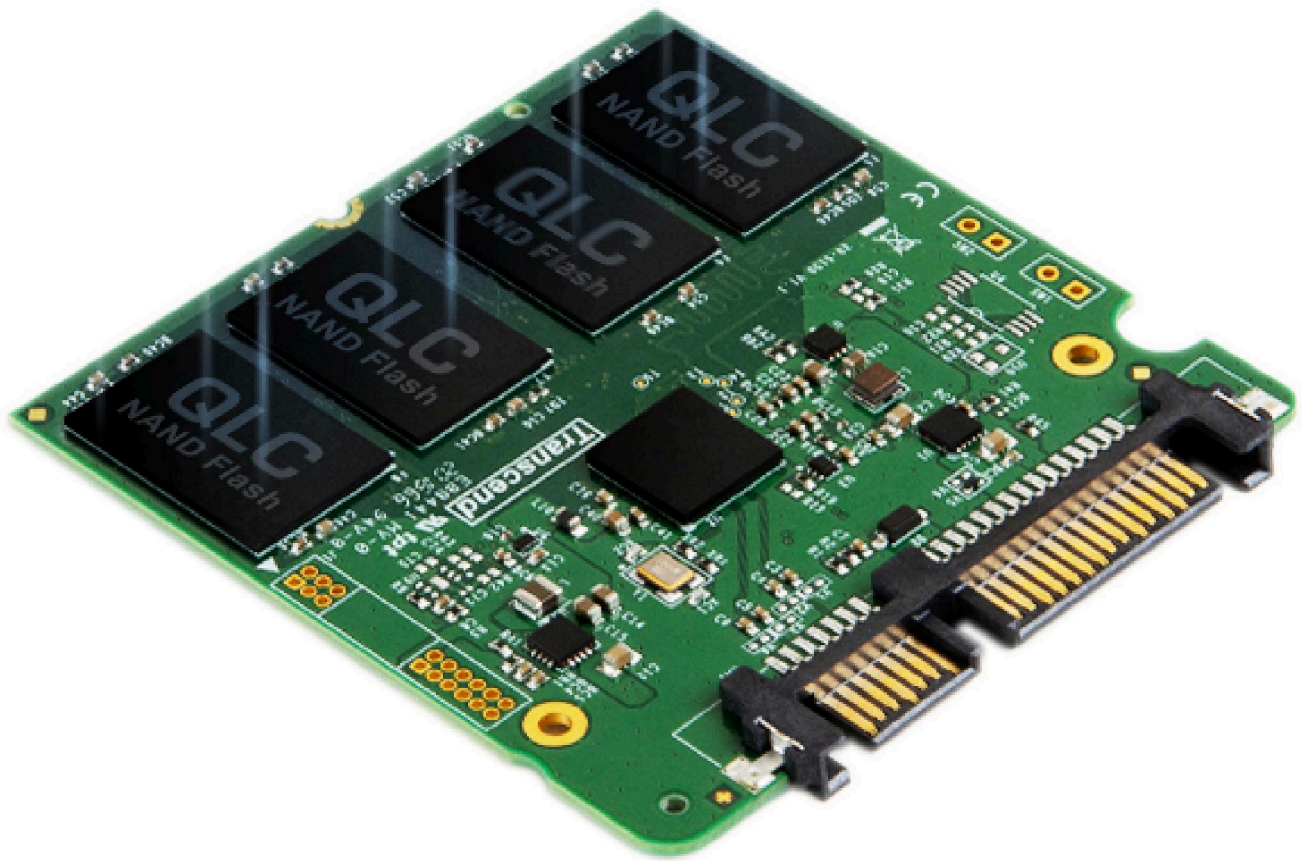
SATA III 6Gb/s SSD220Q

Transcend's SATA III 6 Gb/s SSD220Q uses the latest QLC NAND technology, which employs a higher density of storage cells. By using high-quality flash memory and enhanced firmware algorithms, the SSD220Q delivers greater performance and reliability.



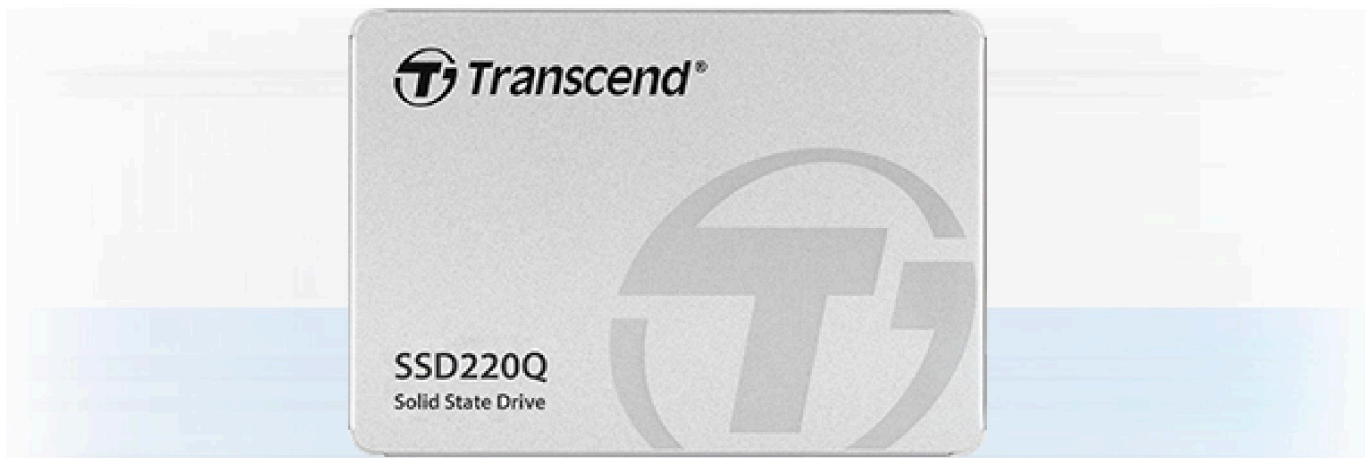
Less is More

Featuring QLC NAND Flash, SSD220Q's storage density per cell boosts 33%. More storage capacity is unleashed for more data. Your performance is no longer limited. Unlock your potential now!



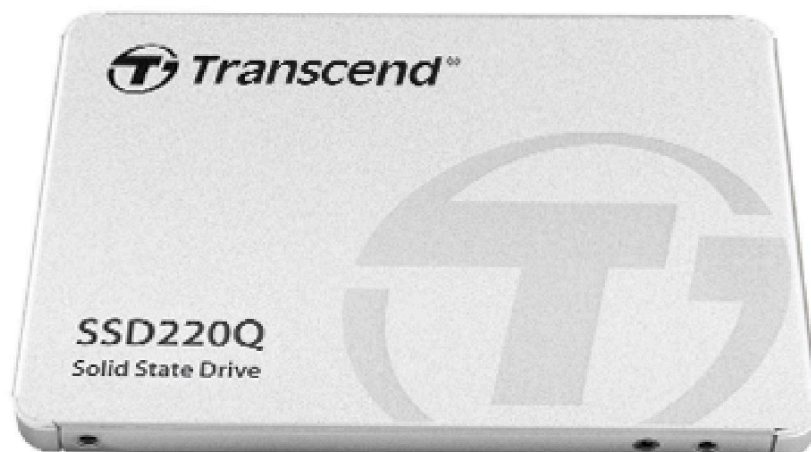
Performance Boost for Everyday Computing

Taking full advantage of the SATA III 6 Gb/s interface and built-in SLC caching technology, Transcend's SSD220Q achieves exceptional transfer speeds of up to 550 MB/s read and 500 MB/s write.



Guaranteed Endurance and Reliability

Transcend's SSD220Q offers great terabytes written (TBW) values (up to 400 TBW) indicating the total amount of data you can write on the drive over its lifetime.



RAID engine and LDPC coding

Detects and corrects transfer errors to prevent data corruption

Garbage Collection

Relocates existing data to release memory blocks

Wear-leveling

Distributes data evenly across memory cells to prolong SSD's lifespan

DevSleep

Intelligently shuts down SATA interface when not in use to prolong device's battery life

A better choice than HDD

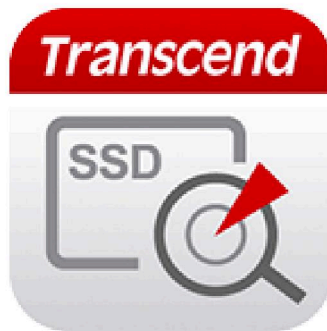
Solid-state drives dominate the market for PC upgrades because they are faster and lighter than traditional hard disk drives. SSDs also consume less power, create less noise when in operation, and are more shock-resistant than hard drives.



SSD Scope software

Transcend SSD Scope is advanced, user-friendly software that makes it easy to ensure your Transcend SSD remains healthy, and continues to run fast and error-free by determining the condition and optimizing the performance of your drive.

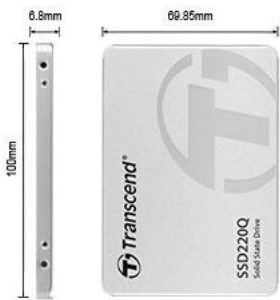
[Learn more \(/support/software/ssd-scope\)](/support/software/ssd-scope)



Guaranteed quality

Transcend's solid state drives are built to the highest standards and rigorously tested, and offer outstanding quality, performance, and reliability.

Specifications



Appearance

Dimensions	100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.28")
Weight	45 g (1.59 oz)

Storage

Flash Type	QLC NAND flash
Capacity	500 GB / 1 TB / 2 TB

Operating Environment

Operating Temperature	0°C (32°F) ~ 70°C (158°F)
Operating Voltage	5V±5%

Performance

Sequential Read/Write (CrystalDiskMark)	2 TB	Up to 550/500 MB/s
	1 TB	Up to 550/500 MB/s
	500 GB	Up to 550/500 MB/s
4K Random Read/Write (IOMeter)	2 TB	Up to 81,000/80,000 IOPS
	1 TB	Up to 57,000/79,000 IOPS
	500 GB	Up to 57,000/59,000 IOPS
Terabytes Written (TBW)	2 TB	400 TBW
	1 TB	200 TBW
	500 GB	100 TBW
Mean Time Between Failures (MTBF)	2,000,000 hour(s)	
Drive Writes Per Day (DWPD)	0.19 (3 yrs)	
Note	<ul style="list-style-type: none">Speed may vary due to host hardware, software, usage, and storage capacity.The workload used to rate DWPD may be different from your actual workload, which may vary due to host hardware, software, usage, and storage capacity.Terabytes Written (TBW) expresses the endurance under the highest capacity.For Mac users please visit our Apple Solutions here (/apple/jetdrive420/).	

Warranty

Certificate	CE / UKCA / FCC / BSMI / KC / RCM
Warranty	Three-year Limited Warranty
Warranty Policy	<ul style="list-style-type: none">Please click here (/Warranty) for more information about the Transcend Warranty Policy.Warranty does not apply when SSD Scope's lifetime indicator displays 0% within the warranty coverage.

Package

Package Contents	Full unit
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System Requirement

Operating System	<ul style="list-style-type: none">Microsoft Windows 7 or laterLinux Kernel 2.6.31 or later
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Technology

TRIM & NCQ Command	✓
S.M.A.R.T.	✓
DDR3 DRAM Cache	-
Advanced Garbage Collection	✓
DevSleep Mode	✓
RAID Engine	✓
LDPC Coding	✓

Awards



(<https://root-nation.com/ru/pc/hardware/ru-transcend-ssd220q-1tb-review/>)

Best Price Award

Root Nation
Ukraine

Order Information

500GB

TS500GSSD220Q

1TB

TS1TSSD220Q

2TB

TS2TSSD220Q



Product Sheet

(https://CDN.transcend-info.com/products/images/modelpic/1163/Transcend-SATAIII6Gbs_SSD220Q.pdf)



Support

(</support/product/internal-ssd/ssd220q>)

Recommended Products



2.5" SSD/HDD
Enclosure Kit

(</product/internal-ssd/2-5-ssd-hdd-enclosure-kit>)



2.5" SSD/HDD
Enclosure

(</product/internal-ssd/2-5-ssd-hdd-enclosure>)

Explore more



Work From Home Hacks

(</Article/WFH>)

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Customized Solutions (/products/oem.aspx)			

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