



2.5" SSDs



SATA III 6Gb/s SSD220S

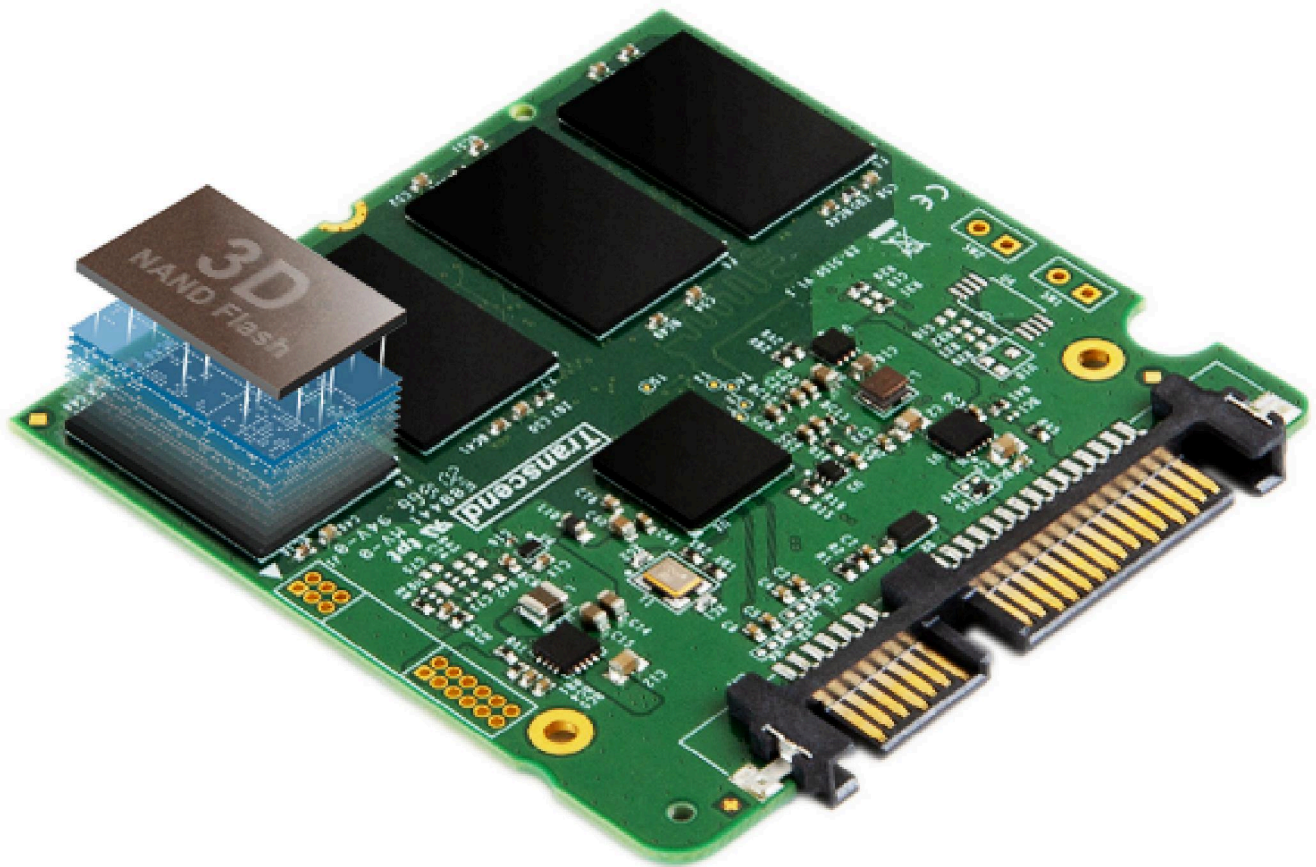
Transcend's SATA III 6Gb/s SSD220S uses the latest 3D NAND technology that features vertical, stacked expansion of storage cells. By using high-quality flash memory and enhanced firmware algorithms, the SSD220S delivers greater performance and reliability.

Transcend SATA III 6Gb/s 2.5" SSDs - New er...



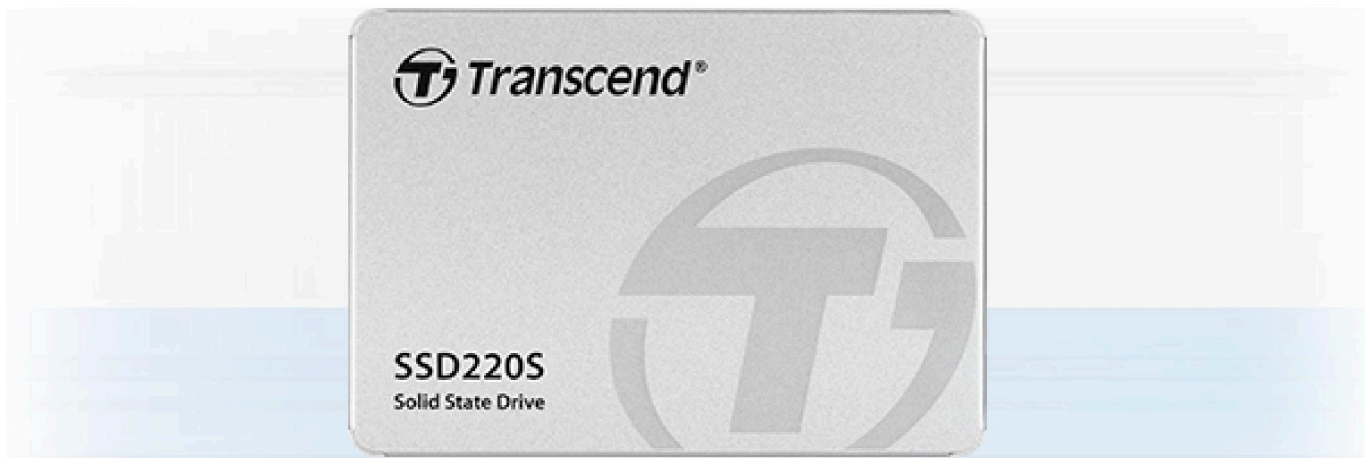
3D expansion to break through limits

Unlike planar NAND memory, 3D NAND flash features memory cells stacked vertically in multiple layers. 3D NAND overcomes density limitations of 2D planar NAND, and delivers a higher level of performance and endurance.



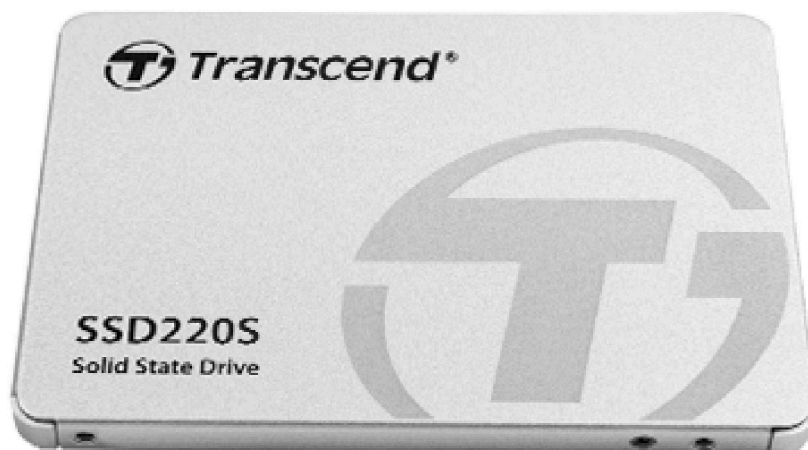
Performance boost for everyday computing

Taking full advantage of the SATA III 6Gb/s interface and built-in SLC caching technology, Transcend's SSD220S achieves exceptional transfer speeds of up to 550MB/s read and 500MB/s write.



Guaranteed endurance and reliability

Transcend's SSD220S offers great Terabytes Written (TBW) values (up to 320 TB) indicating the total amount of data you can write into the drive over its lifetime.



RAID engine and LDPC coding

Detects and corrects transfer errors to prevent data corruption in TLC-based SSD products

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

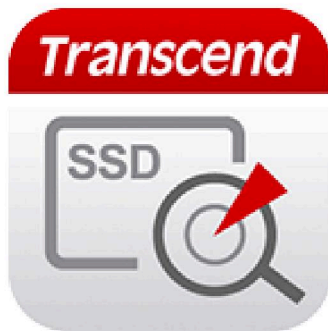
Solid-state drives dominate the market for PC upgrades because they are faster and lighter than hard disk drives. SSDs also feature less power, create less noise when in operation, and are more shock-resistant than traditional hard drives.



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.

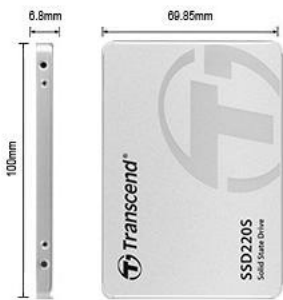
[Learn more \(/support/software/ssd-scope\)](https://support.transcend-info.com/software/ssd-scope)



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	3D NAND flash
Capacity	120 GB / 240 GB / 480 GB / 960 GB

Operating Environment

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

Performance

Sequential Read/Write (CrystalDiskMark)	960 GB	Up to 550/500 MB/s
	480 GB	Up to 530/480 MB/s
	240 GB	Up to 500/330 MB/s
	120 GB	Up to 500/300 MB/s
4K Random Read/Write (IOmeter)	960 GB	Up to 55,000/72,000 IOPS
	480 GB	Up to 55,000/75,000 IOPS
	240 GB	Up to 40,000/75,000 IOPS
	120 GB	Up to 28,000/75,000 IOPS
Terabytes Written (TBW)	960 GB	320 TBW
	480 GB	160 TBW
	240 GB	80 TBW
	120 GB	40 TBW
Mean Time Between Failures (MTBF)	2,000,000 hour(s)	
Drive Writes Per Day (DWPD)	0.3 (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://elchapuzasinformatico.com/2018/03/transcend-ssd220s-review/>)

Galardón de Oro - Gold Award

El Chapuzas Informático
Spain



(<http://hwready.it/recensioni/transcend-ssd220s-480-gb->)

5 Stars

Hardware Ready.IT
Italy



(<https://pinoy screencast.net/reviews/transcend-ssd220s-ssd-review/>)

Outstanding Award

Pinoy Screencast
Philippines



Recommended

MMOSITE.vn
Vietnam

Order Information

120GB

TS120GSSD220S Aluminum casing

240GB

TS240GSSD220S Aluminum casing

480GB

TS480GSSD220S Aluminum casing

960GB

TS960GSSD220S Aluminum casing



Product Sheet

(https://CDN.transcend-info.com/products/images/modelpic/735/Transcend-SSD220S_202208.pdf)



Support

(</support/product/internal-ssd/ssd220s>)

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

[\(/Article/WFH\)](#)

Consumer Products

- [Internal SSDs \(/product/internal-ssd\)](#)
- [Portable SSDs \(/product/portable-ssd\)](#)
- [External Hard Drives \(/product/external-hard-drive\)](#)
- [Dashcams \(/product/dashcam\)](#)
- [Body Cameras \(/product/body-camera\)](#)
- [Memory Cards \(/product/memory-card\)](#)
- [USB Flash Drives \(/product/usb\)](#)
- [DRAM Modules \(/product/dram-module\)](#)
- [Card Readers, DVD Writers & Accessories \(/product/card-reader-accessory\)](#)
- [Customized Solutions \(/products/oem.aspx\)](#)

Embedded Solutions

- [Embedded SSD Solutions \(/Embedded/Product/ssd\)](#)
- [Embedded Flash Solutions \(/Embedded/Product/flash\)](#)
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- [Embedded DRAM Modules \(/Embedded/Product/modules\)](#)
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- [Software Solutions \(/Embedded/Software\)](#)
- [Resource Download \(/embedded/download\)](#)

Support

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- [Compatibility \(/support/compatibility\)](#)
- [Warranty Policy \(/warranty\)](#)
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