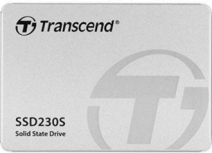


2.5" SSDs



SATA III 6Gb/s SSD230S

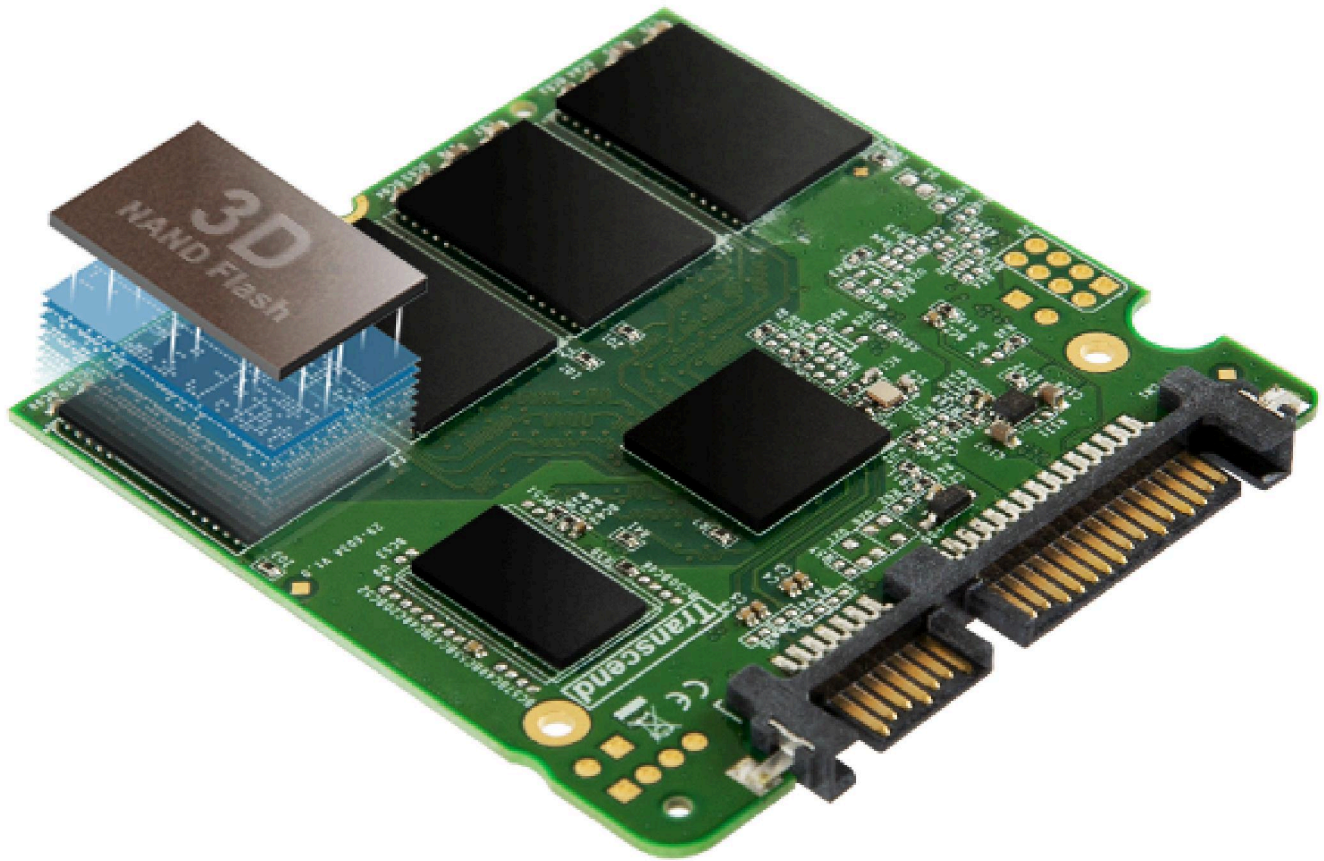
Transcend's SATA III 6Gb/s SSD230S uses the latest 3D NAND technology that features vertical, stacked expansion of storage cells. By using high-quality flash memory and enhanced firmware algorithms, the SSD230S delivers greater performance and reliability.

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



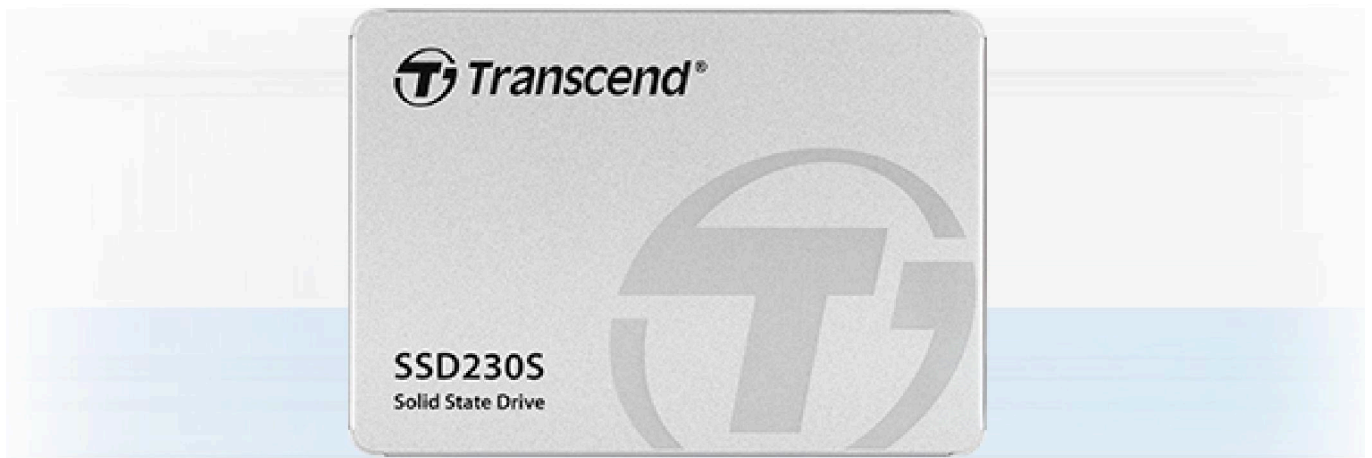
3D expansion to break through limits

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.



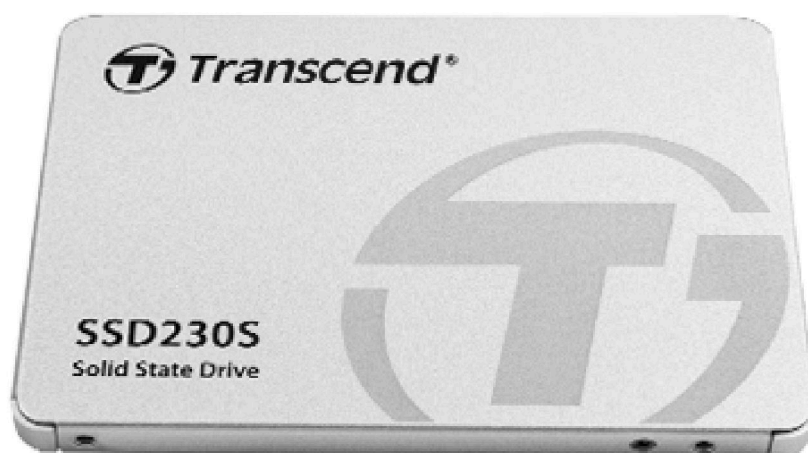
Performance boost for everyday computing

Taking full advantage of the SATA III 6Gb/s interface and built-in SLC caching technology, Transcend's SSD230S achieves exceptional transfer speeds of up to 560MB/s read and 520MB/s write.



Guaranteed endurance and reliability

Transcend's SSD230S offers great Terabytes Written (TBW) values (up to 2,240 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

DDR3 DRAM cache

Stores a temporary copy of the most active data to shorten access times

A better choice than HDD

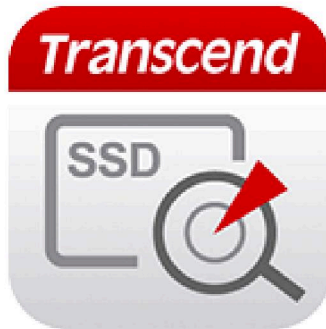
Solid-state drives dominate the market for PC upgrades because they are faster and lighter than hard disk drives. SSDs also feature less power, create less noise when in operation, and are more shock-resistant than traditional hard drives.



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.

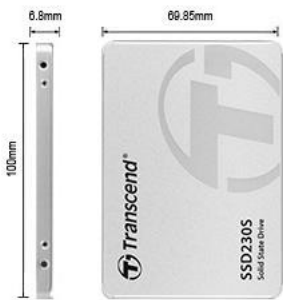
[Learn more \(/support/software/ssd-scope\)](https://support.transcend-info.com/support/software/ssd-scope)



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	53 g (1.87 oz)

Storage

Flash Type	3D NAND flash
Capacity	128 GB / 256 GB / 512 GB / 1 TB / 2 TB / 4 TB

Operating Environment

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

Performance

Sequential Read/Write (CrystalDiskMark)	4 TB	Up to 560/520 MB/s
	2 TB	Up to 560/520 MB/s
	1 TB	Up to 560/500 MB/s
	512 GB	Up to 560/500 MB/s
	256 GB	Up to 530/400 MB/s
	128 GB	Up to 560/380 MB/s
4K Random Read/Write (IOmeter)	4 TB	Up to 90,000/85,000 IOPS
	2 TB	Up to 85,000/89,000 IOPS
	1 TB	Up to 85,000/85,000 IOPS
	512 GB	Up to 65,000/85,000 IOPS
	256 GB	Up to 65,000/85,000 IOPS
	128 GB	Up to 35,000/70,000 IOPS
Terabytes Written (TBW)	4 TB	2,240 TBW
	2 TB	1,120 TBW
	1 TB	560 TBW
	512 GB	280 TBW
	256 GB	140 TBW
	128 GB	70 TBW
Mean Time Between Failures (MTBF)	2,000,000 hour(s)	
Drive Writes Per Day (DWPD)	0.3 (5 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	Five-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



Honor Award

MikroBitti
Finland



(<http://www.tweaks.pl/dyski/transcend-230s-256gb-test-taniego-dysku-ssd/4/>)

Excellent Quality Award

Tweaks.pl
Poland



(<http://www.tweaks.pl/dyski/transcend-230s-256gb-test-taniego-dysku-ssd/4/>)

Price/ performance Award

Tweaks.pl
Poland



(<http://allssd.ru/obzor-transcend-s230s-256g/>)

Cost Effective

ALLSSD
Russia

Order Information

128GB

TS128GSSD230S

256GB

TS256GSSD230S

512GB

TS512GSSD230S

1TB

TS1TSSD230S

2TB

TS2TSSD230S

4TB

TS4TSSD230S



Product Sheet

(<https://CDN.transcend-info.com/products/images/modelpic/756/Transcend-SSD230S-202207.pdf>)



Support

(</support/product/internal-ssd/ssd230s>)

Recommended Products



2.5" SSD/HDD
Enclosure Kit

[\(/product/internal-ssd/2-5-ssd-hdd-enclosure-kit\)](/product/internal-ssd/2-5-ssd-hdd-enclosure-kit)



2.5" SSD/HDD
Enclosure

[\(/product/internal-ssd/2-5-ssd-hdd-enclosure\)](/product/internal-ssd/2-5-ssd-hdd-enclosure)

Explore more



Work From Home Hacks

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



Get ahead. Up your game.

[\(/Article/gamingconsole\)](/Article/gamingconsole)

Consumer Products

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

Embedded Solutions

- [Embedded SSD Solutions \(/Embedded/Product/ssd\)](/Embedded/Product/ssd)
- [Embedded Flash Solutions \(/Embedded/Product/flash\)](/Embedded/Product/flash)
- [Embedded Memory Cards \(/Embedded/Product/memory-cards\)](/Embedded/Product/memory-cards)
- [Embedded DRAM Modules \(/Embedded/Product/modules\)](/Embedded/Product/modules)
- [Technologies \(/Embedded/Technologies\)](/Embedded/Technologies)
- [Applications \(/Embedded/Applications\)](/Embedded/Applications)
- [Software Solutions \(/Embedded/Software\)](/Embedded/Software)
- [Resource Download \(/embedded/download\)](/embedded/download)

Support

- [Product Support \(/support/service\)](/support/service)
- [Software Download \(/support/software\)](/support/software)
- [Compatibility \(/support/compatibility\)](/support/compatibility)
- [Warranty Policy \(/warranty\)](/warranty)
- [Warranty Check \(/support/verification\)](/support/verification)
- [Where to Buy \(/support/buy\)](/support/buy)
- [Partner Center \(/partnercenter/\)](/partnercenter/)

About Us

- [Company Profile \(/about/company-profile\)](/about/company-profile)
- [Advantage \(/about/advantage\)](/about/advantage)
- [Awards \(/about/awards\)](/about/awards)
- [Investor Relations \(/about/investor-relations\)](/about/investor-relations)
- [Shareholder Services \(/about/shareholder-services\)](/about/shareholder-services)
- [Sustainable Development \(/about/sustainable-development\)](/about/sustainable-development)
- [Social Responsibility \(/about/social-responsibility\)](/about/social-responsibility)
- [Press \(/about/press\)](/about/press)
- [Green Initiatives \(/about/green-initiatives\)](/about/green-initiatives)
- [Contact Us \(/support/contact\)](/support/contact)

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