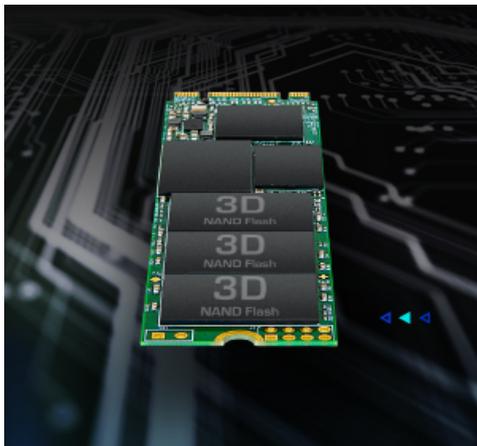




SATA III M.2 SSDs
M.2 SSD 832S

Transcend's M.2 SSD 832S adopts a single-sided M.2 2280 form factor, making it slimmer and highly compatible with space-limited applications and small form factor devices, such as thin, light notebooks and high-performance PCs. Featuring the SATA III 6Gb/s interface, DDR3 DRAM cache, enhanced firmware algorithms, and built with high-quality NAND flash, the ultra-compact M.2 SSD 832S delivers high performance and peerless reliability.



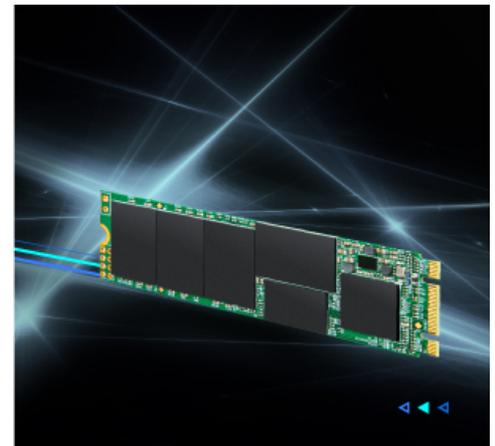
3D expansion to break through limits

Unlike the existing planar NAND chips, 3D NAND flash is a type of flash memory in which the memory cells are stacked vertically in multiple layers. 3D NAND is developed to break through density limitations of the 2D planar NAND, and thus can deliver a greater level of performance and endurance.



Single-sided to fit perfectly in small form factor devices

Compliant with M.2 form factor Type 2280, Transcend's 3D NAND M.2 SSD 832S is just 80mm in length and comes in a single-sided layout - meaning that only one side of the SSD has components attached to it - making the 832S the perfect solution for small form factor laptops and ultra-light PCs. The M.2 SSD 832S makes for an easy upgrade to your computer, taking up little space while giving it a much needed energy boost.



Superior transfer speeds

Featuring the M.2 standard (80mm), the next generation SATA III 6Gb/s interface and a powerful controller, Transcend's M.2 SSD 832S reaches incredible read and write speeds of up to 560MB/s and 500MB/s. When used as a cache, the M.2 SSD 832S provides 1.5 times faster boot time than conventional hard drives.



SATA III M.2 SSDs M.2 SSD 832S

Features

- Space-saving M.2 Type 2280 form factor
- 3D NAND flash
- Engineered with a RAID engine and LDPC (Low-Density Parity Check) coding to ensure data integrity
- DDR3 DRAM cache shortens access times
- ECC (Error Correction Code) function and wear-leveling algorithm ensure reliable data transfers



SSD Scope

SSD Scope features useful functions to maintain your SSD in a healthy status and also copy data from your original HDD to Transcend's new SSD.

Specifications

Appearance

Dimensions	80.0 mm x 22.0 mm x 2.23 mm (3.15" x 0.87" x 0.09")
Weight	9 g (0.32 oz)
Type	M.2 2280

Interface

Bus Interface	SATA III 6Gb/s
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Storage

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

Operating Environment

Operating Temperature	0°C (32°F) ~ 70°C (158°F)
Operating Voltage	3.3V±5%

Performance

Read Speed (Max.)	up to 560 MB/s
Write Speed (Max.)	up to 500 MB/s
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.3 (5 yrs)
Terabytes Written (TBW)	up to 560 TBW

Note
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.

Warranty

Certificate	CE / FCC / BSMI / KC / RCM
Warranty	Five-year Limited Warranty

Ordering Information

256GB	TS256GMTS832S
512GB	TS512GMTS832S
1TB	TS1TMTS832S

Product specifications are subject to change without notice. Pictures shown may differ from actual products. Total accessible capacity varies depending on operating environment.