



SATA III M.2 SSDs
M.2 SSD 800S

Transcend's SATA III 6Gb/s M.2 SSD 800S boasts ultra compact dimensions to address the high performance needs and strict size limitations of small form factor devices, best suited for Ultrabooks and thin, light notebooks. Featuring a powerful controller, exceptional transfer speeds, and MLC NAND flash memory, the M.2 SSD 800S easily handles everyday computing tasks as well as demanding multimedia applications, delivering steadfast reliability.



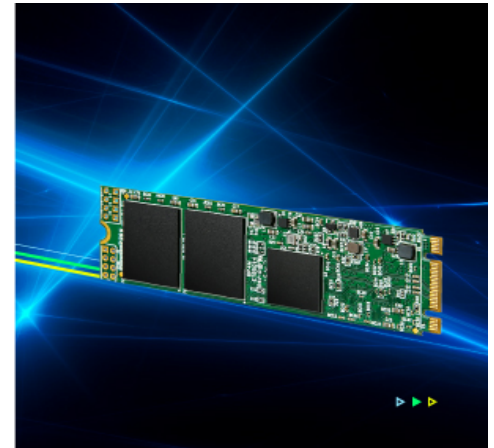
MLC NAND flash inside

Transcend's M.2 SSD 800S is manufactured with reliable, top-tier MLC NAND flash memory to ensure superior stability and endurance, making it well-suited to high-end applications.



Perfect for your Ultrabook

Compliant with all M.2 form factors from Type 2242, 2260, to 2280, Transcend's MLC M.2 SSDs are perfect for use in Ultrabooks and lightweight notebooks. Measured at just 80mm in length, the M.2 SSD 800S 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 800S reaches incredible read and write speeds of up to 530MB/s and 460MB/s. When used as a cache, the M.2 SSD 800S provides 1.5 times faster boot time than conventional hard drives.



SATA III M.2 SSDs M.2 SSD 800S

Features

- Space-saving M.2 Type 2280 form factor
- MLC NAND flash
- DDR3 DRAM cache shortens access times
- Supports DevSleep ultra low power state, S.M.A.R.T., TRIM, and NCQ commands
- 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 3.58 mm (3.15" x 0.87" x 0.14") |
| Weight | 9 g (0.32 oz) |
| Type | M.2 2280 |

Interface

| | |
|---------------|----------------|
| Bus Interface | SATA III 6Gb/s |
|---------------|----------------|

Storage

| | |
|------------|--|
| Flash Type | MLC NAND flash |
| Capacity | 32 GB / 64 GB / 128 GB / 256 GB / 512 GB |

Operating Environment

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

Performance

| | |
|-----------------------------------|--|
| Read Speed (Max.) | up to 530 MB/s |
| Write Speed (Max.) | up to 460 MB/s |
| Mean Time Between Failures (MTBF) | 2,000,000 hour(s) |
| Drive Writes Per Day (DWPD) | 2.5 (3 yrs) |
| Terabytes Written (TBW) | up to 1,480 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 | Three-year Limited Warranty |

Ordering Information

| | |
|-------|---------------|
| 32GB | TS32GMTS800S |
| 64GB | TS64GMTS800S |
| 128GB | TS128GMTS800S |
| 256GB | TS256GMTS800S |
| 512GB | TS512GMTS800S |