



## SATA III M.2 Solid State Drive **M.2 SSD 600S**

Transcend's SATA III 6Gb/s M.2 SSD 600S 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 600S easily handles everyday computing tasks as well as demanding multimedia applications, delivering steadfast reliability.



### **Perfect for your Ultrabook**

Measured at just 60mm in length, the M.2 SSD 600S makes for an easy upgrade to your computer, taking up little space while giving it a much needed energy boost.



### **Superior transfer speeds**

Transcend's M.2 SSD 600S reaches incredible read and write speeds of up to 530MB/s and 400MB/s. When used as a cache, the M.2 SSD 600S provides 1.5 times faster boot time than conventional hard drives.



### **Store more in less space**

The M.2 form factor enables expansion and integration of functions onto a single form factor module solution. M.2 SSDs include a smaller form factor but with larger capacities than that of mSATA and half-slim SSDs.



## SATA III M.2 Solid State Drive

# M.2 SSD 600S

### Features

- Space-saving M.2 Type 2260 form factor
- Up to 256GB storage capacity
- Up to 530 MB/s read; 400 MB/s write
- MLC NAND flash memory and DDR3 DRAM cache
- Supports DevSleep ultra low power state, S.M.A.R.T., TRIM, and NCQ commands



### 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.

### Specifications

#### Appearance

Dimensions	60.0 mm x 22.0 mm x 3.58 mm (2.36" x 0.87" x 0.14")
Weight	7 g (0.25 oz)

#### Interface

Bus Interface	SATA III 6Gb/s
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#### Storage

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

#### Operating Environment

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

#### Performance

Sequential Read/Write (CrystalDiskMark)	Read: 530 MB/s Write: 400 MB/s
4K Random Read/Write (IOmeter)	Read: 70,000 IOPS Write: 73,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Terabytes Written	740 TB
Drive Writes Per Day (DWPD)	2.5 (3 yrs)

#### Note

Speed may vary due to host hardware, software, usage, and storage capacity.

#### Warranty

Certificate	CE/FCC/BSMI
Warranty	Three-year Limited Warranty

#### Ordering Information

32GB	TS32GMTS600S
64GB	TS64GMTS600S
128GB	TS128GMTS600S
256GB	TS256GMTS600S

## SATA III M.2 SSDs Comparison



SATA III 6Gb/s  
M.2 SSD 400S



SATA III 6Gb/s  
M.2 SSD 600S



SATA III 6Gb/s  
M.2 SSD 800S

### Appearance

Dimensions	42.0 mm x 22.0 mm x 3.58 mm (1.65" x 0.87" x 0.14")	60.0 mm x 22.0 mm x 3.58 mm (2.36" x 0.87" x 0.14")	80.0 mm x 22.0 mm x 3.58 mm (3.15" x 0.87" x 0.14")
Weight	5 g (0.18 oz)	7 g (0.25 oz)	9 g (0.32 oz)

### Storage

Flash Type	MLC NAND flash		
Capacity	32GB ~ 128GB	32GB ~ 256GB	32GB ~ 256GB

### Operating Environment

Operating Temperature	0°C (32°F) ~ 70°C (158°F)		
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### Performance

Sequential Read/Write (CrystalDiskMark)	Read: 530 MB/s Write: 200 MB/s	Read: 530 MB/s Write: 400 MB/s	Read: 530 MB/s Write: 400 MB/s
4K Random Read/Write (IOmeter)	Read: 70,000 IOPS Write: 50,000 IOPS	Read: 70,000 IOPS Write: 70,000 IOPS	Read: 70,000 IOPS Write: 70,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)		
Terabytes Written (TBW)	360 TB	740 TB	740 TB
Drive Writes Per Day (DWPD)	2.5 (3 yrs)		

### Warranty

Warranty	Three-year Limited Warranty		
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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	-	-	-

\*Speed may vary due to host hardware, software, usage, and storage capacity.