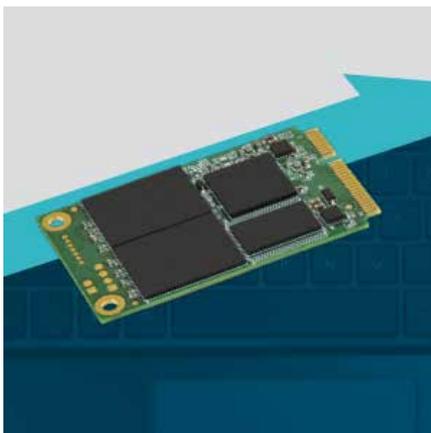




mSATA Solid State Drive

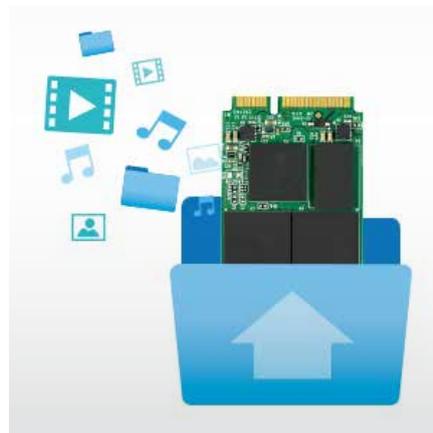
mSATA SSD 370S

Supporting the next-generation Serial ATA interface and built around a powerful controller, Transcend's SATA III 6Gb/s mSATA SSD 370S delivers blazing fast performance and long-term reliability. The compact mSATA form factor makes it perfect for use in space-restricted portable devices such as Ultrabooks, tablet PCs, and slim servers.



Superior upgrade option

All the speed is back and even faster. By using SATA III 6Gb/s interface, DDR3 DRAM cache, and a powerful controller, the Transcend mSATA SSD 370S provides the ultra-fast transfer speeds of up to 520MB/s read and 400MB/s write, pursuing the great experience in faster boot time and application launching time.



Up to 256GB capacity

The mSATA SSD 370S ranges from 32GB to 256GB, giving you more options to suit your demand while storing large multimedia files and applications in faster speed.



Speed up loading times

Dedicated to maximizing high-performance computing, the mSATA SSD 370S features maximum 4K random file read 75,000 IOP that delivers incredibly short loading times and almost instant response for heavy graphics and multimedia applications.



mSATA Solid State Drive

mSATA SSD 370S

Features

- mSATA form factor and SATA III 6Gb/s interface
- Up to 520MB/s read; 400MB/s write
- MLC NAND flash memory
- Built-in ECC (Error Correction Code) function and wear-leveling algorithm to ensure reliable data transfers
- 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	50.8 mm x 29.85 mm x 4.85 mm (2.00" x 1.18" x 0.19")
------------	--

Weight	8 g (0.28 oz)
--------	---------------

Interface

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

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, max.)	Read: 520 MB/s
	Write: 400 MB/s

4K Random Read/Write (IOMeter, max.)	Read: 70,000 IOPS
	Write: 75,000 IOPS

Mean Time Between Failures (MTBF)	2,500,000 hour(s)
--------------------------------------	-------------------

Terabytes Written (Max.)	740 TB
--------------------------	--------

Drive Writes Per Day (DWPD)	2.6 (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	TS32GMSA370S
------	--------------

64GB	TS64GMSA370S
------	--------------

128GB	TS128GMSA370S
-------	---------------

256GB	TS256GMSA370S
-------	---------------

mSATA SSDs Comparison



SATA III 6Gb/s
mSATA SSD 370S



SATA III 6Gb/s
mSATA SSD 230S

Appearance

Dimensions (Max.)	50.8 mm x 29.85 mm x 4.85 mm (2.00" x 1.18" x 0.19")	
Weight (Max.)	8 g (0.28 oz)	9 g (0.32 oz)

Storage

Flash Type	MLC NAND flash	3D NAND flash
Capacity	32GB ~ 256GB	64GB ~ 256GB

Operating Environment

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

Performance

Sequential Read/Write (CrystalDiskMark, max.)	Read: 520 MB/s Write: 400 MB/s	Read: 550 MB/s Write: 400 MB/s
4K Random Read/Write (IOMeter, max.)	Read: 70,000 IOPS Write: 75,000 IOPS	Read: 55,000 IOPS Write: 70,000 IOPS
Mean Time Between Failures (MTBF)	2,500,000 hour(s)	1,000,000 hour(s)
Terabytes Written (Max.)	740 TB	160 TB
Drive Writes Per Day (DWPD)	2.6 (3 yrs)	0.5 (3 yrs)

Warranty

Warranty	Three-year Limited Warranty	
----------	-----------------------------	--

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.