



SATA III M.2 Solid State Drive
M.2 SSD 420S

Transcend's ultra-compact SATA III 6Gb/s M.2 SSD 420S addresses the high-performance needs and strict size limitations of small form factor devices, best suited for Ultrabooks and thin, light notebooks. Boasting high-quality flash chips and enhanced firmware algorithms, Transcend's M.2 SSD 420S delivers optimal reliability.



Perfect for your Ultrabook

Measured at just 42mm in length, the M.2 SSD 420S 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 420S reaches incredible read and write speeds of up to 530MB/s and 480MB/s. When used as a cache, the M.2 SSD 420S 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.



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Features

- Space-saving M.2 Type 2242 form factor
- Up to 530 MB/s read; 480 MB/s write
- 3D NAND flash memory
- RAID engine and LDPC coding for data integrity; DDR3 DRAM cache for short access times
- Supports 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	42.0 mm x 22.0 mm x 3.58 mm (1.65" x 0.87" x 0.14")
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Weight	5 g (0.18 oz)
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Interface

Bus Interface	SATA III 6Gb/s
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Storage

Flash Type	3D NAND flash
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Capacity	120 GB/240 GB/480 GB
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Operating Environment

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

Sequential Read/Write (CrystalDiskMark)	Read: 530 MB/s Write: 480 MB/s
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4K Random Read/Write (IOMeter)	Read: 50,000 IOPS Write: 75,000 IOPS
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Mean Time Between Failures (MTBF)	1,000,000 hour(s)
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Terabytes Written	160 TB
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Drive Writes Per Day (DWPD)	0.3 (3 yrs)
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Note

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

Warranty

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

120GB	TS120GMTS420S
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240GB	TS240GMTS420S
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480GB	TS480GMTS420S
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