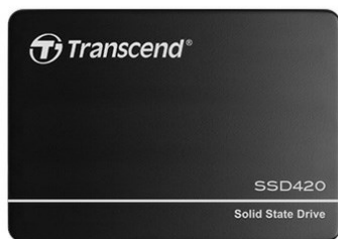


2.5" SATA SSD



SSD420K

Featuring a SATA III 6Gb/s interface and a powerful controller, Transcend's SSD420K is an ideal high-speed, lightweight, and shockproof replacement for traditional rotating hard drives.

Share

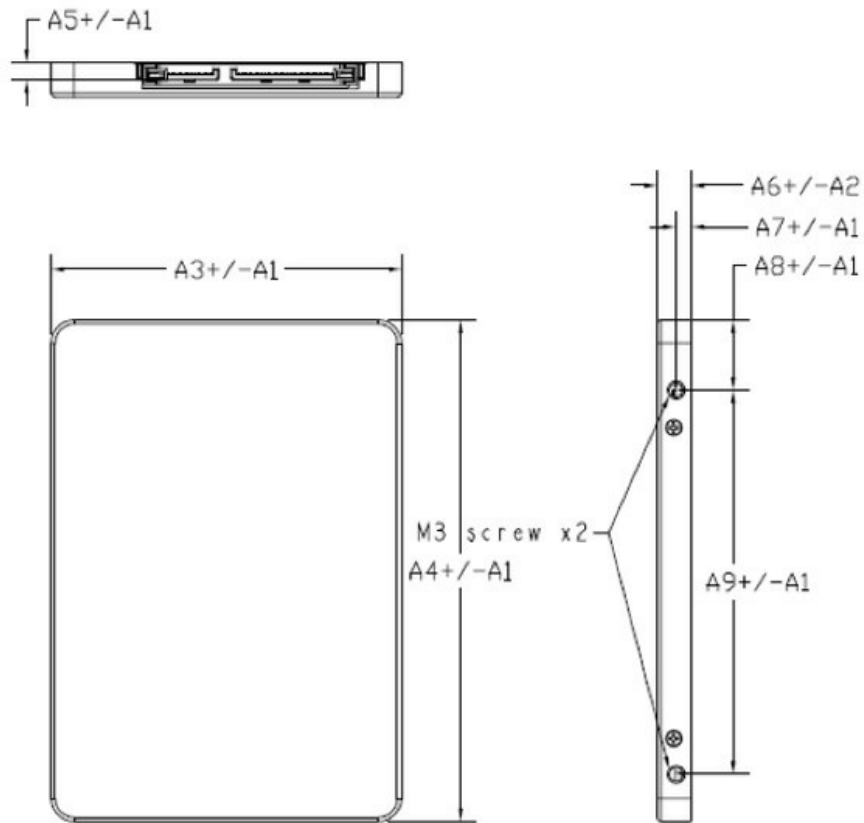


Features

- Advanced Global Wear-Leveling and Block management for reliability
- Advanced Garbage Collection
- DDR3 DRAM Cache embedded
- Built-in ECC (Error Correction Code) functionality
- Power Shield embedded to prevent data loss in the event of sudden power outage
- DEVSLP mode
- Enhanced S.M.A.R.T. function
- RoHS compliant
- Shock resistance
- Slim, elegant and lightweight design



Specifications



Appearance

Dimensions (Max.)	100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.27")
Weight (Max.)	63 g (2.22 oz)
Form Factor	2.5"

Interface

Bus Interface	SATA III 6Gb/s
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Storage

Flash Type	MLC NAND flash
Capacity	16 GB / / 32 GB / / 64 GB / / 128 GB / / 256 GB / / 512 GB / / 1 TB

Operating Environment

Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)
Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
Humidity	0% ~ 95%
Shock	1500 G, 0.5 ms, 3 axis
Vibration (Operating)	5.0 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)

Power

Power Consumption	3.46 watt(s)
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Power Consumption (Sleep)	0.3 watt(s)
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Performance

MTBF	1,500,000 hour(s)
Read Speed (Max.)	570 MB/s
Write Speed (Max.)	470 MB/s

Warranty

Certificate	CE / / FCC / / BSMI
Warranty	Three-year Limited Warranty
Warranty Policy	• Please click here for more information about the Transcend Warranty Policy. • Warranty does not apply when SSD Scope's wear-out indicator displays 0% within the warranty coverage. • Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend beforehand for clarification. • SSD Scope Pro software is required by request. Please contact us for more information.

Order Information

16GB

TS16GSSD420K

32GB

TS32GSSD420K Aluminum case

64GB

TS64GSSD420K Aluminum case

128GB

TS128GSSD420K Aluminum case

256GB

TS256GSSD420K Aluminum case

512GB

TS512GSSD420K Aluminum case

1TB

TS1TSSD420K Aluminum case



Product Sheet

View or download the product sheet for detailed product and ordering information.

Sales Inquiries

Contact the sales team with any inquiries you may have.

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- Gaming

Transportation

Healthcare

Server

Automation

Military
- SuperMLC

Conformal Coating

Underfill

Wide Temperature

AES Encryption

Anti-sulfur Technology

TCG Opal Specifications

Hardware Purge

SSD Scope Pro

Garbage Collection

Wear Leveling

Read Disturbance

TRIM

Bad Block Management
- Advantage

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