SSD TRANSCEND 430S 256GB M.2 SATA 3.0 TLC Write speed 400 MBytes/sec Read speed 530 MBytes/sec MTBF 1000000 hours TS256GMTS430S

Model: TS256GMTS430S

Manufacturer: TRANSCEND

EAN: 760557842927

Product Code: 334888

R3,750

Transcend's ultra-compact SATA III 6Gb/s M.2 SSD 430S 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, DDR3 DRAM cache, and enhanced firmware algorithms,

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Transcend's M.2 SSD 430S delivers optimal reliability.

3D expansion to break through limits

Unlike the existing planar NAND chips, 3D NAND flash is a type of flash memory in which the memory cells are stacked vertically in multiple layers. 3D NAND is developed to break through density limitations of the 2D planar NAND, and thus can deliver a greater level of performance and endurance.

Perfect for your Ultrabook

Compliant with M.2 form factors Type 2242 and 2280, Transcend's 3D NAND M.2 SSDs are perfect for use in Ultrabooks and lightweight notebooks. Measured at just 42mm in length, the M.2 SSD 430S 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 (42mm), the next generation SATA III 6Gb/s interface and a powerful controller, Transcend's M.2 SSD 430S reaches incredible read and write speeds of up to 560MB/s and 500MB/s. When used as a cache, the M.2 SSD 430S provides 1.5 times faster boot time than conventional hard drives.

High IOPS to speed up loading times

Dedicated to maximizing high-performance computing, the M.2 SSD 430S features 4k random file read and write speeds up to 85,000 IOPS that deliver incredibly short loading times and almost instant response for heavy graphics and multimedia applications.

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.

Potent and feature-laden

Despite its extra-small dimensions, the M.2 SSD 430S boasts a DDR3 DRAM cache and contains advanced features to enhance the performance of the SSD.

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Error Correcting Code (ECC)

Detects and corrects transfer errors to prevent data corruption

Garbage Collection

Relocates existing data to release memory blocks

Wear-leveling

Distributes data evenly across memory cells to prolong SSD's lifespan

DDR3 DRAM cache

Stores a temporary copy of the most active data to shorten access times

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.

Guaranteed quality

Transcend’s solid state drives are built to the highest standards and rigorously tested, and offer outstanding quality, performance, and reliability.

- Space-saving M.2 Type 2242 form factor
- Up to 560 MB/s read; 500 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

Summary: Transcend M.2 SSD 430S 256GB. SSD capacity: 256 GB, SSD form factor: M.2, Read speed: 530 MB/s, Write speed: 400 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC | Vendor Homepage: https://uk.transcend-info.com/Products/No-981 | SSD capacity: 256 | SSD form factor: M.2 | Interface: Serial ATA III | NVMe: No | Memory type: 3D NAND | Component for: PC | Data transfer rate: 6 | Write speed: 400 | Read speed: 530 | Random read (4KB): 45000 | Random write (4KB): 70000 | Sequential read speed (CDM): 530 | Sequential write speed (CDM): 400 | DevSlp (device sleep) support: Yes | RAID support: Yes | Low-density parity-check (LDPC): Yes | Mean time

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between failures (MTBF): 1000000 | Active garbage collection: Yes | Windows operating systems supported: Windows 10/Windows 7/Windows 8 | Mac operating systems supported: No | Linux operating systems supported: Kernel 2.6.31 | TBW rating: 140 | Certification: CE/FCC/BSMI/KC/RCM | Operating voltage: 3.3 | Width: 42 | Depth: 3.58 | Height: 22 | Weight: 5 | Operating temperature (T-T): 0 - 70 | Storage temperature (T-T): -40 - 85 | Product colour: Black/Green | Harmonized System (HS) code: 84717070 | Unit Calculated Weight: 0.02 | Product Net Weight: 0.005 | Unit Calculated Volume: 0.00013 | Units per Shipping Box: 1 | Unit Width: 10 | Shipping Box Height: 1 | Unit Depth: 13 | Unit Height: 1 | Name: SSD M.2 2280 256GB TLC/TS256GMTS430S TRANSCEND | SSD series: 430S | Model name: M.2 SSD 430S 256GB

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