



**SSD TRANSCEND  
430S 512GB M.2  
SATA 3.0 TLC  
Write speed 500  
MBytes/sec  
Read speed 560  
MBytes/sec  
MTBF 1000000  
hours  
TS512GMTS430S**

Model: TS512GMTS430S

Manufacturer: TRANSCEND

EAN: 760557843115

Product Code: 334690

**R4,337**

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 512GB. SSD capacity: 512 GB, SSD form factor: M.2, Read speed: 560 MB/s, Write speed: 500 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC | Vendor Homepage: <https://uk.transcend-info.com/Products/No-981> | SSD disk size: 512 | SSD form factor coefficient: M.2 | Sąsaja: „Serial ATA III“ | Atminties tipas: 3D NAND | Taikoma: PC | Duomenų perdavimo sparta: 6 | Rašymo laikas: 500 | Skaitymo laikas: 560 | Atsitiktinis skaitymas (4 KB): 80000 | Atsitiktinis rašymas (4 KB): 85000 | DevSlp (prietaiso miego) palaikymas: Ne | RAID palaikymas: Taip | S.M.A.R.T. palaikymas: Taip | TRIM palaikymas: Taip | Natūralus komandų

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eiliškumas (NCQ): Taip | Vidutinis laikas tarp trikčių (MTBF): 2000000 | Aktyvus šiukšlių surinkimas: Taip | Palaikomos „Windows“ operacinės sistemos: Windows 10/Windows 7/Windows 8 | Palaikomos MAC operacinės sistemos: Ne | Palaikoma operacinė sistema „Linux“: Kernel 2.6.31 | TBW kategorija: 280 | Sertifikavimas: CE/FCC/BSMI/KC/RCM | Darbinė įtampa: 3.3 | Plotis: 42 | Ilgis: 3.58 | Aukštis: 22 | Svoris: 5 | Darbo temperatūros diapazonas (TT): 0 - 70 | Produkto spalva: Juoda/Žalia | Darniosios sistemos (DS) kodas: 84717070 | Bruto svoris: 0.02 | Neto svoris: 0.005 | Vienetų skaičius vienoje siuntimo dėžėje: 1 | Vieneto plotis: 10 | Shipping Box Height: 1 | Vieneto gylis: 13 | Vieneto aukštis: 1 | Name: SSD M.2 2280 512GB TLC/TS512GMTS430S TRANSCEND | SSD series: 430S | Model name: M.2 SSD 430S 512GB

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