

Transcend MTS820



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Transcend	

Transcend's ultra-compact SATA III 6Gb/s M.2 SSD 820S 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 820S 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 80mm in length, the M.2 SSD 820S 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 (80mm), the next generation SATA III 6Gb/s interface and a powerful controller, Transcend's M.2 SSD 820S reaches incredible read and write speeds of up to 550MB/s and 500MB/s. When used as a cache, the M.2 SSD 820S 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 820S features 4k random file read and write speeds up to 75,000 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 820S contains advanced features to enhance the performance of the SSD. Engineered with a RAID engine and featuring built-in SLC caching technology, it utilizes LDPC coding to correct errors and ensure data integrity.

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.

Zusammenfassung

Transcend's ultra-compact SATA III 6Gb/s M.2 SSD 820S 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 820S delivers optimal reliability.

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Transcend M.2 SSD 820S 120GB, 120 GB, M.2, 500 MB/s, 6 Gbit/s

Transcend M.2 SSD 820S 120GB. SSD capacity: 120 GB, SSD form factor: M.2, Read speed: 500 MB/s, Write speed: 350 MB/s, Data transfer rate: 6 Gbit/s, Component for: Laptop

Merkmale

Logistics data

Harmonized System (HS) code 84717070

Operational conditions

Operating temperature (T-T) 0 - 70 °C

Power

Operating voltage 3.3 V

Weight & dimensions

Width 22 mm
Depth 3.58 mm
Height 80 mm
Weight 9 g

Other features

Product colour	Black, Green
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Features

SSD capacity	120 GB
SSD form factor	M.2
Interface	Serial ATA III
Memory type	3D NAND
Component for	Laptop
Data transfer rate	6 Gbit/s
Read speed	500 MB/s
Write speed	350 MB/s
Random read (4KB)	28000 IOPS
Random write (4KB)	75000 IOPS
DevSlp (device sleep) support	No
S.M.A.R.T. support	Yes
TRIM support	Yes
RAID support	Yes
Low-density parity-check (LDPC)	Yes
Native Command Queuing (NCQ)	Yes
Mean time between failures (MTBF)	2000000 h
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	40
Certification	CE/FCC/BSMI/KC/RCM

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.