

TS500GMTE115S

Transcend MTE115S 500GB M.2 2280 NVMe 1.3 PCI-e 3x 4 3D TLC Solid State Drive

Product Overview

Transcend MTE115S 500GB M.2 2280 NVMe PCI-e Gen3 x4 3D TLC Solid State Drive, 3D NAND Flash, Up to 3200 MB/s read speed, Up to 2000 MB/s write speed



Specifications

Overview:

PCIe SSD 115S

Upgrade your computer performance to a whole new level with Transcend's PCIe SSD 115S! Boasting the slick PCIe Gen 3x4 interface and slim M.2 2280 size, the PCIe SSD 115S is the perfect speedy and sizable companion for your desktops, laptops, and ultrabooks!

Features:

Astounding Performance

Transcend's PCIe SSD 115S follows NVMe 1.4 specifications and comes with the PCIe Gen3 x4 interface, meaning four lanes are used for transmitting and receiving data simultaneously, resulting in excellent performance of read speeds up to 3,200MB/s and write speeds up to 2,000MB/s.

Note: Performance is based on CrystalDiskMark v5.0.2.

Low Power Consumption

The PCIe SSD 115S comes in the M.2 2280 form factor, perfect for desktops, laptops, and ultrabooks! The low-power design makes PCIe performance possible with the best power efficiency.

Ample Storage Capacity

Transcend's PCIe SSD 115S is available in capacities of up to 2TB, giving users plenty of space to store multiple files.

Always Reliable, Always Evolving.

Transcend's PCIe SSD 115S is engineered with LDPC (Low-Density Parity Check) coding, a powerful ECC algorithm, to keep data secure. Designed with the dynamic thermal throttling mechanism, it guarantees superior endurance and stability for high-end applications.

Transcend SSD Scope Software

Transcend's SSD Scope is an advanced, user-friendly software that makes it easy to monitor the condition and optimize the performance of your Transcend SSD, ensuring that it remains healthy and continues to run fast and error-free.

Guaranteed Quality

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Product Specification Sheet

To ensure the utmost level of quality, Transcend SSDs undergo rigorous testing at all stages of production, including tests for temperature, speed, and functionality.

Specifications:

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Specifications	
Product Code	TS500GMTE115S
Appearance	
Dimensions	Single-sided: 80 mm x 22 mm x 2.23 mm (3.15" x 0.87" x 0.09")
	Double-sided: 80 mm x 22 mm x 3.58 mm (3.15" x 0.87" x 0.14")
Weight	8 g (0.28 oz)
Type	M.2 2280
Interface	
Bus Interface	NVMe PCIe Gen3 x4
Storage	
Flash Type	3D NAND flash
Capacity	250GB / 500 GB / 1 TB / 2 TB
Operating Environment	
Operating Temperature	0 degreesC (32 degreesF) ~ 70 degreesC (158 degreesF)
Operating Voltage	3.3V+/-5%
Performance	
Sequential Read/Write (CrystalDiskMark)	2 TB up to 3,200 / 1,900 MB/s
	1 TB up to 3,200 / 2,000 MB/s
	500 GB up to 3,200 / 2,000 MB/s
	250 GB up to 3,200 / 1,300 MB/s
4K Random Read/Write (IOMeter)	2 TB up to 200,000 / 250,000 IOPS
	1 TB up to 250,000 / 170,000 IOPS
	500 GB up to 250,000 / 170,000 IOPS
	250 GB up to 250,000 / 170,000 IOPS
Terabytes Written (TBW)	2 TB 800 TBW
	1 TB 400 TBW
	500 GB 200 TBW
	250 GB 100 TBW
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.2 (5 yrs)

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Product Specification Sheet

Note	Speed may vary due to host hardware, software, usage, and storage capacity.
	The workload used to rate DWPD may be different from your actual workload, which may vary due to host hardware, software, usage, and storage capacity.
	Terabytes Written (TBW) expresses the endurance under the highest capacity.
	Some motherboards only provide PCIe x2 connections for the M.2 slot, creating a bottleneck on even the fastest drives.
Certificate	CE / FCC / BSMI / KC / RCM / UKCA
System Requirement	
Operating System	Microsoft Windows 7 or later
	Linux Kernel 2.6.31 or later
Note	Please make sure that your computer has a M.2 slot.
	Systems for use with the PCIe M.2 SSD must have an M.2 connector with only an M key. B-key connectors are not compatible. Improper insertion may lead to damage. Please click here for more information.
Technology	
S.M.A.R.T.	Yes
Advanced Garbage Collection	Yes
RAID Engine	-
LDPC Coding	Yes
DRAM Cache	-

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/TS500GMTE115S-Transcend-MTE115S-500GB-M-2-2280-NVMe-Buy-p-282093.php>

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