ComX Computers
Product Specification Sheet

TS1TMTE310S

Transcend MTE310S 1TB M.2 2230 PCI-e Gen4 x4 Solid State Drive

Product Overview

Transcend MTE310S 1TB M.2 2230 PCI-e Gen4 x4 Solid State Drive, 5000 MB/s read speed, 3500 MB/s write speed, Single-Sided, 3D NAND Flash





Specifications

Overview:

A Tiny Titan: Unleash The Power of Slim Devices

PCIe SSD 310S

Transcend's PCIe M.2 SSD MTE310S has a compact form factor and high-quality 3D NAND flash, making it easy to upgrade a myriad of devices, from Ultrabooks and lightweight notebooks, to tablets and handheld gaming consoles. It is designed with multiple firmware optimization technologies, such as SLC caching and the LDPC ECC mechanism, both of which improve storage reliability and extend the drive lifespan. Ultimately, the MTE310S is a fantastic choice for enhancing overall performance and efficiency in the modern workplace.

Features:

PCIe 4.0 Blazing-Fast Speeds

Transcend's PCIe SSD MTE310S is designed with the super-fast PCIe Gen 4x4 interface which offers up to 5,000 MB/s read and 3,500 MB/s write speeds, delivering shorter loading times and superior performance for slim devices.

An Ideal Storage Upgrade For Slim Devices

Transcend's MTE310S features M.2 2230 form factor, ideal for Ultrabooks, lightweight notebooks, tablets, and handheld gaming consoles. Thinner and lighter when compared to a normal SSD, the MTE310S SSD gives your device a much-needed boost while also saving space.

Larger Than You Think

Built with high-quality 3D NAND flash, the MTE310S SSD unleashes up to 1TB of capacity for your slim devices, greatly increasing storage space while also enhancing overall computing efficiency.

Always Reliable, Always Evolving.

Despite its extra-small dimensions, the MTE310S SSD contains many advanced features that ensure secure data storage and a longer lifespan.

SSD Scope Software

Transcend SSD Scope is an advanced, user-friendly software tool that makes it easy to ensure your Transcend SSD remains healthy, and continues to run efficiently by optimizing the performance of your drive.

Specifications:

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Specifications	
Product Code	TS1TMTE310S
Appearance	
Dimensions	Single-sided 30.0 mm x 22.0 mm x 2.23 mm (1.18" x 0.87" x 0.09")
Weight	4 g (0.14 oz)
Type	M.2 2230
Interface	
Bus Interface	NVMe PCIe Gen4 x4
Storage	
Flash Type	3D NAND flash
Capacity	512 GB / 1 TB
Operating Environment	
Operating Temperature	0 degreesC (32 degreesF) ~ 70 degreesC (158 degreesF)
Operating Voltage	3.3V+/-5%
Performance	
Sequential Read/Write (CrystalDiskMark)	1 TB
	Up to 5,000 / 3,500 MB/s
	512 GB
	Up to 3,300 / 1,700 MB/s
4K Random Read/Write (IOmeter)	1 TB
	Up to 330,000 / 690,000 IOPS
	512 GB
	Up to 119,000 / 395,000 IOPS
Terabytes Written (TBW)	1 TB
	600 TBW
	512 GB
	300 TBW
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.33 (5 yrs)

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 / UKCA / FCC / BSMI / KC / RCM
System Requirement	
Operating System	Microsoft Windows 7 or later
	Linux Kernel 2.6.31 or later
Note	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	
Technology	S.M.A.R.T.
	Advanced Garbage Collection
	RAID Engine
	LDPC Coding
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/TS1TMTE310S-Transcend-MTE310S-1TB-M-2-2230-PCI-e-Gen4-x4-Solid-State-Drive-p-298719.php

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