SSD TRANSCEND 1TB PCIe Gen3 NVMe NAND flash technology 3D NAND Write speed 3200 MBytes/sec Read speed 3500 MBytes/sec Form Factor M.2 TBW 2200 TB MTBF 200000 hours TS1TMTE220S

Model: TS1TMTE220S

Manufacturer: TRANSCEND

EAN: 760557843139

Product Code: 334190

R20,285

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Transcend's PCIe SSD 220S aims at high-end applications, such as digital audio/video production, gaming, and enterprise use, which require constant processing heavy workloads with no system lags or slowdowns of any kind. Utilizing the PCI Express® Gen3 x4 interface supported by the latest NVMe™ standard, 3D NAND flash memory, an 8-channel controller, and a DRAM cache, the PCIe SSD 220S offers supreme transfer speeds that override others.

Supreme transfer speeds

Transcend's PCIe SSD 220S follows NVMe 1.3 and utilizes the PCIe™ Gen3 x4 interface, meaning four lanes are used for transmitting and receiving data simultaneously. Its 8-channel controller supports ultra high data throughput, resulting in compelling performance of up to 3,500MB/s read and 2,700MB/s write.

Note: Performance is based on CrystalDiskMark v5.0.2.

Understanding the PCIe interface

PCIe (or PCI Express®) is a much faster interface than SATA (or Serial ATA) for connecting a host computer to solid-state storage devices over one or more lanes consisting of one transmit and one receive serial interface in each lane, meaning it can better fulfill new performance requirements.

Understanding the NVMe standard

NVMe (or NVM Express®) is a host controller interface standard designed to address the needs of enterprise and client applications that utilize PCI Express-based solid-state storage. NVMe calls for better performance vectors than AHCI (Advanced Host Controller Interface), including scalable bandwidth, increased IOPS, and low latency.

3D expansion to break through limits

Unlike planar NAND memory, 3D NAND flash features memory cells stacked vertically in multiple layers. 3D NAND overcomes density limitations of 2D planar NAND, and delivers a higher level of performance and endurance.

Better endurance, higher reliability

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Transcend's PCIe SSD 220S is engineered with LDPC (Low-Density Parity Check) coding, a powerful ECC algorithm, to keep data secure. Manufactured with high-quality 3D NAND flash chips, and engineered dynamic thermal throttling mechanism, the PCIe SSD 220S guarantees superior endurance and stability for high-end applications.

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

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

- Adopts PCIe Gen3 x4 interface and NVMe 1.3 standard
- Up to 3,500 MB/s read; 2700 MB/s write
- 3D NAND flash memory and DDR3 DRAM cache
- Engineered with LDPC (Low-Density Parity Check) coding to ensure data integrity; built-in SLC caching technology for exceptional transfer speeds; an 8-channel controller for ultra high data throughout
- Engineered dynamic thermal throttling mechanism

Summary: Transcend PCIe SSD 220S 1TB. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 3500 MB/s, Write speed: 2800 MB/s, Component for: PC/Laptop | Vendor Homepage: https://www.transcend-info.com/Products/No-991 | SSD disko talpa: 1000 | SSD formos koeficientas: M.2 | Sąsaja: PCI Express 3.0 | NVMe: Taip | „NVMe“ versija: 1.3 | Atminties tipas: 3D NAND | Taikoma: Kompiuteris / knyginis kompiuteris | Techninės įrangos šifravimas: Ne | Rašymo laikas: 2800 | Skaitymo laikas: 3500 | Atsitiktinis skaitymas (4 KB): 300000 | Atsitiktinis rašymas (4 KB): 340000 | PCI „Express“ sąsajos duomenų keliai: x4 | S.M.A.R.T. palaikymas: Taip | Vidutinis laikas tarp trikčių (MTBF): 2000000 | 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: 2200 | Sertifikavimas: CE/FCC/BSMI/KC/RCM | Darbinė įtampa: 3.3 | Plotis: 22 | Ilgis: 3.58 | Aukštis: 80 | Svoris: 8 | Darbo temperatūros diapazonas (TT): 0 - 70 | Darniosios sistemos (DS) kodas: 84717070 | Bruto svoris: 0.02 | Neto svoris: 0.01 | Vienetų skaičius

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vienoje siuntimo dėžėje: 1 | Vieneto plotis: 10 | Shipping Box Height: 1 | Vieneto gylis: 13 | Vieneto aukštis: 1 | Name: SSD PCIE G3 M.2 NVME 1TB/TS1TMTE220S TRANSCEND | Model: PCIe SSD 220S

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