

Transcend SSD230 - SSD - 512 GB - SATA 6Gb/s



09-05-2024

SKU	TS512GSSD230S
Product Description:	Transcend SSD230 - SSD - 512 GB - SATA 6Gb/s
Type:	Solid state drive - internal
Capacity:	512 GB
NAND Flash Memory Type:	3D triple-level cell (TLC)
Form Factor:	2.5"
Interface:	SATA 6Gb/s
Data Transfer Rate:	600 MBps

General

Device Type:	Solid state drive - internal
Capacity:	512 GB
NAND Flash Memory Type:	3D triple-level cell (TLC)
Form Factor:	2.5"
Interface:	SATA 6Gb/s
Features:	Native Command Queuing (NCQ), TRIM support, Wear Leveling Support, Advanced Garbage Collection, Error Correction Code (ECC), DDR3 DRAM Cache, DevSleep mode, LDPC error correction, S.M.A.R.T.
Width:	69.85 mm
Depth:	100 mm
Height:	6.8 mm
Weight:	63 g

Environmental Parameters

Min Operating Temperature:	0 °C
Max Operating Temperature:	70 °C

Manufacturer Warranty

Service & Support:	Limited warranty - 3 years
--------------------	----------------------------

Miscellaneous

Enclosure Material:	Aluminium
Compliant Standards:	BSMI, FCC

Expansion & Connectivity

Interfaces:	1 x SATA 6 Gb/s - 22 pin Serial ATA
Compatible Bay:	2.5"

Performance

Drive Transfer Rate:	600 MBps (external)
Internal Data Rate:	560 MBps (read) / 520 MBps (write)
4KB Random Read:	87000 IOPS
4KB Random Write:	87000 IOPS