

Solid State Drives

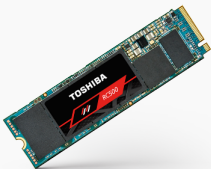
RC500

Upgrade SSD for Mainstream Notebooks & PCs

500250

GBGB

- 96-layer TLC BiCS FLASH™ 3D memory
- PCIe® 3.0 Gen3 x4 Lane
- NVMe™ 1.3c interface specifications supported



Upgrading from a hard drive or SATA SSD should be easy and affordable and that's where RC500 SSDs come in. The RC500 NVMe™ SSD Series is built to boost your mobile or PC experience and deliver well-balanced performance, reliability, and value that will transform your system. Leveraging 96-layer 3D flash memory (BiCS FLASH™), this new mainstream-class SSD series offers up to 1TB of capacity and a 5-year warranty in a M.2 2280 form factor suitable for both desktops and notebooks.



Product Specifications

Storage memory	96-layer 3D BiCS FLASH™ TLC	Weight	250GB: 6.0 g (typ.) 500GB: 6.9 g (typ.)
Capacity	250 GB, 500 GB	Product Health Monitoring	SSD Utility version 3.4 and above
Interface	PCIe® Gen3x4L	PCI Express	Compatible with PCI Express® Base Specification Revision 3.1a and NVM Express™ Revision 1.3c command set
Form Factor	M.2 2280	Operating system	Windows® 10 x64
Max read speed (MB/s)	Up to 1,700 MB/s (250 GB) Up to 1,700 MB/s (500 GB)	Operating Temperature	0°C (Tc) to 85°C (Tc)
Max write speed (MB/s)	Up to 1,200 MB/s (250 GB) Up to 1,600 MB/s (500 GB)	Storage Temperature	-40°C to 85°C
Random Read IOPS	Up to 190,000 IOPS (250GB) Up to 290,000 IOPS (500GB)	Shock Resistance	9.806 km/s2 {1,000 G} 0.5 ms half sine wave
Write IOPS	Up to 290,000 IOPS (250GB) Up to 390,000 IOPS (500GB)	Vibration (Operational & Non-Operational)	196 m/s2 {20 G} Peak, 10~2000 Hz, (20 min / Axis) x 3 Axis
MTTF	1.5 Mhours	Connector Type	M.2 M key Socket
TBW	250 GB: 100 TB 500 GB: 200 TB	Targeted Applications	Client desktops and laptops
Supply Voltage	3.3 V ±5 %	Performance Optimisation	TRIM, Idle Time Garbage Collection
Power consumption (L.1.2 Power)	50 mW (typ.)	Service & Support	5-Year Standard Warranty
Power Consumption	250GB: 3.8 W (typ.) 500GB: 3.9 W (typ.)	Software & Services	SSD management software: SSD Utility v3.4 and above.
Dimensions	80 x 22 x 2.38 mm Max		

Product Range

Part number	Capacity	EAN
THN-RC50Z2500G8(CS	250 GB	811375030086
THN-RC50Z5000G8(CS	500 GB	811375030093

Contact

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