

WD Red SA500 WDS500G1ROB - SSD - 500 GB - SATA 6Gb/s



In Stock(57)

SKU	WDS500G1ROB
Product Description:	WD Red SA500 WDS500G1ROB - SSD - 500 GB - SATA 6Gb/s
Type:	Solid state drive - internal
Capacity:	500 GB
Form Factor:	M.2 2280
Interface:	SATA 6Gb/s
Data Transfer Rate:	600 MBps
Features:	24x7 continuous operation, 3D NAND Technology



General

Device Type:	Solid state drive - internal
Capacity:	500 GB
Form Factor:	M.2 2280
Interface:	SATA 6Gb/s
Features:	24x7 continuous operation, 3D NAND Technology
Width:	22 mm
Depth:	80 mm
Height:	2.38 mm
Weight:	7 g

Performance

SSD Endurance:	350 TB
Drive Transfer Rate:	600 MBps (external)
Internal Data Rate:	560 MBps (read) / 530 MBps (write)
4KB Random Read:	95000 IOPS
4KB Random Write:	85000 IOPS

Reliability

MTBF:	2,000,000 hours
24x7 Operation:	Yes

Environmental Parameters

Min Operating Temperature:	0 °C
Max Operating Temperature:	70 °C
Min Storage Temperature:	-55 °C
Max Storage Temperature:	85 °C
Shock Tolerance (non-operating):	1500 g @ 0.5 ms half-sine
Vibration Tolerance (operating):	5 g @ 10-2000 Hz
Vibration Tolerance (non-operating):	4.9 g @ 7-800 Hz

Manufacturer Warranty

Service & Support:	Limited warranty - 5 years
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Miscellaneous

Compliant Standards:	UL, TUV, VCCI, BSMI, FCC, KC, Morocco
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Power

Power Consumption:	52 mW (active) ; 2050 mW (read) ; 3550 Watt (write) ; 56 mW (sleep) ; 7 mW (DevSleep)
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Expansion & Connectivity

Interfaces:	1 x SATA 6 Gb/s - M.2 Card
Compatible Bay:	M.2 2280

