

WD Red SA500 WDS400T1R0A - SSD

4 TB - internal - 2.5" - SATA 6Gb/s

Group	HDDs
Manufacturer	WD
Manufacturer item no.	WDS400T1R0A
EAN/UPC	0718037872377



Description

Boost your NAS system's performance and responsiveness with the WD Red SA500 NAS SATA SSD. Since your NAS system is always on, a reliable drive is essential. Unlike standard SSDs, WD Red NAS SATA SSDs are specifically designed and tested for 24/7 usage. This durability together with efficient caching of big files make these drives ideal for OLTP databases, multi-user environments, photo rendering, 4k and 8k video editing and other demanding applications. With 2.5" and M.2 form factors and capacities from 500GB up to 4TB (2.5" only), the WD Red SA500 NAS SATA SSD lets you optimize your existing or next NAS system for superior performance and endurance.

Main features

Product Description	WD Red SA500 WDS400T1R0A - SSD - 4 TB - SATA 6Gb/s
Type	Solid state drive - internal
Capacity	4 TB
Form Factor	2.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Features	24x7 continuous operation, 3D NAND Technology
Dimensions (WxDxH)	69.85 mm x 100.2 mm x 7 mm
Weight	57.9 g

Extended details

	General
Device Type	Solid state drive - internal
Capacity	4 TB
Form Factor	2.5"
Interface	SATA 6Gb/s
Features	24x7 continuous operation, 3D NAND Technology
Width	69.85 mm

Depth	100.2 mm
Height	7 mm
Weight	57.9 g
Performance	
SSD Endurance	2500 TB
Drive Transfer Rate	600 MBps (external)
Internal Data Rate	560 MBps (read) / 530 MBps (write)
4KB Random Read	95000 IOPS
4KB Random Write	82000 IOPS
Reliability	
MTBF	2,000,000 hours
24x7 Operation	Yes
Expansion & Connectivity	
Interfaces	1 x SATA 6 Gb/s
Compatible Bay	2.5"
Power	
Power Consumption	60 mW (active) 3000 mW (read) 3800 mW (write) 56 mW (sleep) 12 mW (DevSleep)
Miscellaneous	
Compliant Standards	UL, TUV, VCCI, BSMI, FCC, KC, Morocco
Manufacturer Warranty	
Service & Support	Limited warranty - 5 years
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

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