



Product Datasheet

2TB 3.5in SATA 24/7 NAS HDD 5400RPM



- **Product Code:** SA-2000/NAS
- **Product EAN:** 5055146631217
- **Warranty:** 5 Year Advanced

Origin Storage Ltd manufactures a full range of Matched Hard Drive & Solid State Solutions for most major branded Servers, laptops and desktops, such as Dell, HP, Toshiba, and Lenovo. All of our Matched Drive Solutions come with up to 5 years advanced replacement warranty and also come with free pre and post sales technical support. We can supply replacements or upgrades in form factors of 2.5" or 3.5" with either SATA or SAS interfaces, available in a range of capacities and spin speeds. All our Matched Drive Solutions are just that, matched to the system you have for 100% compatibility, right first time, every time!

Technical Specifications

Weight & Dimensions

Width:	101.8 mm
Height:	26.1 mm
Depth:	147 mm
Weight:	530 g

Power

Power Consumption (typical):	5 W
Power Consumption (standby):	0.8 W
Power Consumption (idle):	3.7 W
Operating Voltage:	5 / 12 V
Start-up Current:	2 A

Operational Conditions

Operating Temperature (T-T):	5 - 55 °C
Storage Temperature (T-T):	-40 - 70 °C
Operating Relative Humidity (H-H):	5 - 95%
Storage Relative Humidity (H-H):	5 - 95%
Operating Vibration:	0.5 G
Non-operating Vibration:	3 G
Operating Altitude:	-304 - 3048 m
Non-operating Altitude:	-304 - 12192 m
Operating Shock:	80 G
Non-operating Shock:	300 G

Packaging Content

Storage Drive Adapter Included:

No

Storage Drive Caddy Included:

No

Other Features

Drive Ready Time:

17 s

Compliance Certificates:

RoHS

Features

HDD Capacity:

2 TB

HDD Speed:

5400 RPM

HDD Size:

3.5"

Interface:

Serial ATA

Type:

HDD

Component For:

NAS

Hot-swap:

No

Storage Drive Buffer Size:

256 MB

HDD Interface Transfer Rate:

6 Gbit/s

HDD Sustained Transfer Rate:

180 MiB/s

HDD Number Of Heads:

4

HDD Number Of Cylinders:

16383

Read Seek Time:

12 ms

Write Seek Time:

12 ms

Track To Track Seek Time:

1.2 ms

Average Latency:

5.1 ms

Bytes Per Sector:

512

Mean Time Between Failures (MTBF):	1000000 h
Refurbished:	No

Logistics Data

Harmonized System (HS) Code:	84717050
------------------------------	----------

Origin Storage Limited

2-4 Rutherford Centre, Rutherford Road, Basingstoke, Hampshire, RG24 8PB UK

Tel: [+44 \(0\)1256 351500](tel:+44(0)1256351500) | E-Mail: sales@originstorage.com | Web: www.originstorage.com

Copyright 2025 - Origin Storage Limited | All trademarks are the property of their respective owners, E&OE.