



## Product Datasheet

### 1.8TB 10k PE R/T x10 Series 2.5in SAS Hotswap HD w/ Caddy



- **Product Code:** DELL-1800SAS/10-S12
- **Product EAN:** 5056006116486
- **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

<b>Width:</b>	70.1 mm
<b>Height:</b>	15 mm
<b>Depth:</b>	100.5 mm
<b>Weight:</b>	320 g

## Power

<b>Power Consumption (typical):</b>	7.8 W
<b>Power Consumption (read):</b>	6.46 W
<b>Power Consumption (write):</b>	7.05 W
<b>Power Consumption (idle):</b>	4.55 W
<b>Operating Voltage:</b>	5 V
<b>Start-up Current:</b>	0.47 A

## Operational Conditions

<b>Operating Temperature (T-T):</b>	5 - 55 °C
<b>Storage Temperature (T-T):</b>	-40 - 70 °C
<b>Operating Relative Humidity (H-H):</b>	5 - 95%
<b>Storage Relative Humidity (H-H):</b>	5 - 95%
<b>Operating Vibration:</b>	0.5 G
<b>Non-operating Vibration:</b>	3 G
<b>Operating Altitude:</b>	-304.8 - 3048 m
<b>Non-operating Altitude:</b>	-304.8 - 12192 m
<b>Operating Shock:</b>	40 G

<b>Non-operating Shock:</b>	400 G
-----------------------------	-------

## Packaging Content

<b>Storage Drive Adapter Included:</b>	No
--	----

## Other Features

<b>Compliance Certificates:</b>	RoHS
---------------------------------	------

## Features

<b>HDD Capacity:</b>	1.8 TB
----------------------	--------

<b>HDD Speed:</b>	10000 RPM
-------------------	-----------

<b>HDD Size:</b>	2.5"
------------------	------

<b>Interface:</b>	SAS
-------------------	-----

<b>Type:</b>	HDD
--------------	-----

<b>Component For:</b>	Server/workstation
-----------------------	--------------------

<b>Hot-swap:</b>	Yes
------------------	-----

<b>Storage Drive Buffer Size:</b>	128 MB
-----------------------------------	--------

<b>HDD Interface Transfer Rate:</b>	12 Gbit/s
-------------------------------------	-----------

<b>HDD Number Of Heads:</b>	8
-----------------------------	---

<b>Average Latency:</b>	2.9 ms
-------------------------	--------

<b>Bytes Per Sector:</b>	512
--------------------------	-----

<b>Mean Time Between Failures (MTBF):</b>	2000000 h
---	-----------

<b>Refurbished:</b>	No
---------------------	----

## Logistics Data

<b>Harmonized System (HS) Code:</b>	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](mailto:sales@originstorage.com) | **Web:** [www.originstorage.com](http://www.originstorage.com)

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