



Product Datasheet

Origin: Samsung 850 PRO SSD Hot Swap 2TB EMLC 3.5 inch (8.9cm) SATA Incl. Dell Hot-Swap Caddy & Conversion Kit



- **Product Code:** DELL-2TB-EMLC-S17
- **Product EAN:** 5056006105558
- **Warranty:** 5 Year Advanced

Origin Storage Ltd manufactures a full range of Matched Hard Drive & Solid State Solutions for Dell Poweredge, Optiplex and Latitude ranges, covering all their legacy systems right through to the latest modern day technology. Dell have been supplying their clients with Origin Matched Hard Solutions for the past decade as and when their own part is made EOL or stock is in constraint, this shows an unquestionable level of quality and service provided on every Origin Storage Matched Drive Solution. 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 from our in house engineers. We can supply replacements or upgrades in form factors 2.5" ,3.5", M.2, mSATA and AIC (PCIe)

Technical Specifications

Weight & Dimensions

Width:	69.8 mm
Depth:	100.5 mm
Height:	7 mm
Weight:	66 g

Power

Operating Voltage:	5 V
Power Consumption (max):	5.8 W
Power Consumption (average):	3.5 W
Power Consumption (idle):	0.06 W

Operational Conditions

Operating Temperature (T-T):	0 - 70 °C
Storage Temperature (T-T):	-40 - 85 °C
Operating Shock:	1500 G
Non-operating Shock:	1500 G

Packaging Data

Storage Drive Adapter Included:	Yes
Storage Drive Adapter Type:	2.5" - 3.5"

Other Features

Compliance Certificates:	RoHS
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Compatible Products:	Dell Server
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Features

SSD Capacity:	2 TB
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SSD Form Factor:	3.5"
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Interface:	Serial ATA
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NVMe:	No
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Memory Type:	eMLC
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Component For:	Server/workstation
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Hardware Encryption:	No
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NAND Flash Type:	MLC (Multi Level Cell)
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Security Algorithms:	256-bit AES
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Data Transfer Rate:	6 Gbit/s
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Read Speed:	550 MB/s
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Write Speed:	520 MB/s
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Random Read (4KB):	100000 IOPS
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Random Write (4KB):	90000 IOPS
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Controller Type:	Samsung MHX
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DevSlp (device Sleep) Support:	Yes
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S.M.A.R.T. Support:	Yes
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TRIM Support:	Yes
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RAID Support:	Yes
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Hot-swap:	Yes
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IEEE 1667:	Yes
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Mean Time Between Failures (MTBF):	1500000 h
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Active Garbage Collection:	Yes
Windows Operating Systems Supported:	Yes
Opal SSC 2.0:	Yes
Linux Operating Systems Supported:	Yes

Logistics Data

Harmonized System (HS) Code:	84717070
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Origin Storage Limited

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