Product Datasheet

480GB Hot Plug Enterprise SSD 3.5in SATA Read Intensive

- **Product Code:** DELL-480EMLCRI-S17

- **Product EAN:** 5056006107347

- **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:	60 g

Power

Power Consumption (average):	3 W

Operational Conditions

Operating Temperature (T-T):	0 - 70 °C
Storage Temperature (T-T):	-40 - 85 °C
Operating Relative Humidity (H-H):	5 - 95%
Operating Vibration:	20 G
Non-operating Vibration:	20 G
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

Internal:	Yes
Compliance Certificates:	RoHS
Compatible Products:	Dell Server

Features

SSD Capacity:	480 GB
SSD Form Factor:	3.5"
Interface:	Serial ATA
NVMe:	No
Memory Type:	eMLC
Component For:	Server/workstation
Hardware Encryption:	No
NAND Flash Type:	MLC (Multi Level Cell)
Security Algorithms:	256-bit AES
Data Transfer Rate:	6 Gbit/s
Read Speed:	520 MB/s
Write Speed:	500 MB/s
Maximum Read (4KB):	97000 IOPS
Maximum Write (4KB):	16000 IOPS
Random Read (4KB):	97000 IOPS
Random Write (4KB):	16000 IOPS
Random Read (8KB):	55000 IOPS
Random Write (8KB):	11000 IOPS
Access Time:	0.1 ms
Read Latency:	130 µs
Write Latency:	130 µs

S.M.A.R.T. Support:	Yes
TRIM Support:	Yes
RAID Support:	Yes
Hot-swap:	Yes
Mean Time Between Failures (MTBF):	2000000 h
Windows Operating Systems Supported:	Yes
Linux Operating Systems Supported:	Yes

Logistics Data

Harmonized System (HS) Code:	84717070