



# Product Datasheet

## 480GB Hot Plug Enterprise SSD 2.5in SATA Read Intensive



- **Product Code:** DELL-480EMLCRI-S15
- **Product EAN:** 5056006107125
- **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

<b>Width:</b>	69.8 mm
<b>Depth:</b>	100.5 mm
<b>Height:</b>	7 mm
<b>Weight:</b>	60 g

### Power

<b>Power Consumption (average):</b>	3 W
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### Operational Conditions

<b>Operating Temperature (T-T):</b>	0 - 70 °C
<b>Storage Temperature (T-T):</b>	-40 - 85 °C
<b>Operating Relative Humidity (H-H):</b>	5 - 95%
<b>Operating Vibration:</b>	20 G
<b>Non-operating Vibration:</b>	20 G
<b>Operating Shock:</b>	1500 G
<b>Non-operating Shock:</b>	1500 G

### Packaging Data

<b>Storage Drive Adapter Included:</b>	Yes
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### Other Features

<b>Internal:</b>	Yes
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<b>Compliance Certificates:</b>	RoHS
<b>Compatible Products:</b>	Dell Server
<b>Features</b>	
<b>SSD Capacity:</b>	480 GB
<b>SSD Form Factor:</b>	2.5"
<b>Interface:</b>	Serial ATA
<b>NVMe:</b>	No
<b>Memory Type:</b>	eMLC
<b>Component For:</b>	Server/workstation
<b>Hardware Encryption:</b>	No
<b>NAND Flash Type:</b>	MLC (Multi Level Cell)
<b>Security Algorithms:</b>	256-bit AES
<b>Data Transfer Rate:</b>	6 Gbit/s
<b>Read Speed:</b>	520 MB/s
<b>Write Speed:</b>	500 MB/s
<b>Maximum Read (4KB):</b>	97000 IOPS
<b>Maximum Write (4KB):</b>	16000 IOPS
<b>Random Read (4KB):</b>	97000 IOPS
<b>Random Write (4KB):</b>	16000 IOPS
<b>Random Read (8KB):</b>	55000 IOPS
<b>Random Write (8KB):</b>	11000 IOPS
<b>Access Time:</b>	0.1 ms
<b>Read Latency:</b>	130 $\mu$ s
<b>Write Latency:</b>	130 $\mu$ s
<b>S.M.A.R.T. Support:</b>	Yes

<b>TRIM Support:</b>	Yes
<b>RAID Support:</b>	Yes
<b>Hot-swap:</b>	Yes
<b>Mean Time Between Failures (MTBF):</b>	2000000 h
<b>Windows Operating Systems Supported:</b>	Yes
<b>Linux Operating Systems Supported:</b>	Yes

### Logistics Data

<b>Harmonized System (HS) Code:</b>	84717070
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## Origin Storage Limited

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