



Product Datasheet

480GB Hot Plug Enterprise SSD 2.5in SATA Read Intensive



- **Product Code:** CPQ-480EMLCRI-S7
- **Product EAN:** 5056006106135
- **Warranty:** 5 Year Advanced

Origin Storage is a global supplier of IT storage solutions and components. The company's product portfolio includes hard disk drive solutions, RAID solutions and OEM parts. Origin Storage prides itself on superior customer service, competitive pricing and knowledgeable sales staff. The company is unique, not only in its product range but also in its philosophy, which adds up to a professional purchasing experience. Origin Storage - the ideal partner for all your storage management needs.

Technical Specifications

Weight & Dimensions

Width:	69.8 mm
Depth:	100.5 mm
Height:	7 mm
Weight:	60 g

Power

Power Consumption (average):	3 W
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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

Other Features

Internal:	Yes
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Features

SSD Capacity:	480 GB
SSD Form Factor:	2.5"
Interface:	Serial ATA
NVMe:	No

Memory Type:	eMLC
Component For:	Server/workstation
Hardware Encryption:	Yes
NAND Flash Type:	eMLC (Enterprise Multi Level Cell)
Security Algorithms:	256-bit AES
Data Transfer Rate:	6 Gbit/s
Read Speed:	520 MB/s
Write Speed:	480 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 μ s
Write Latency:	130 μ s
S.M.A.R.T. Support:	Yes
TRIM Support:	Yes
RAID Support:	Yes
Hot-swap:	Yes
Mean Time Between Failures (MTBF):	2000000 h

Logistics Data

Harmonized System (HS) Code:	84717070
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