



Product Datasheet

480GB 6G SATA VE SFF 2.5in Value Endurance OEM:
728739-B21



- **Product Code:** CPQ-480MLC-S6
- **Product EAN:** 5055146601555
- **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

Height:	7 mm
----------------	------

Power

Operating Voltage:	5 V
Power Consumption (read):	2.3 W
Power Consumption (write):	2.8 W
Power Consumption (average):	2.8 W
Power Consumption (idle):	1.3 W

Operational Conditions

Operating Temperature (T-T):	0 - 70 °C
Operating Vibration:	20 G
Non-operating Vibration:	20 G
Operating Shock:	1500 G
Non-operating Shock:	1500 G

Packaging Data

Downloadable Software:	Samsung SSD DC Toolkit
-------------------------------	------------------------

Other Features

Internal:	Yes
------------------	-----

Features

SSD Capacity:	480 GB
----------------------	--------

SSD Form Factor:	2.5"
Interface:	Serial ATA
NVMe:	No
Memory Type:	MLC
Component For:	Server/workstation
Hardware Encryption:	Yes
NAND Flash Type:	MLC (Multi Level Cell)
Security Algorithms:	256-bit AES
Data Transfer Rate:	6 Gbit/s
Read Speed:	510 MB/s
Write Speed:	485 MB/s
Random Read (4KB):	95000 IOPS
Random Write (4KB):	19000 IOPS
Access Time:	0.1 ms
Read Latency:	110 μ s
Write Latency:	110 μ s
S.M.A.R.T. Support:	Yes
TRIM Support:	Yes
Hot-swap:	Yes
Mean Time Between Failures (MTBF):	2000000 h
Active Garbage Collection:	Yes

Logistics Data

Harmonized System (HS) Code:	84717070
-------------------------------------	----------

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 | **Web:** www.originstorage.com

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