



## Product Datasheet

### 240GB Hot Plug Enterprise SSD 2.5in SATA Read Intensive



- **Product Code:** DELL-240EMLCRI-S12
- **Product EAN:** 5056006106784
- **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: | 54.34 g  |

### Power

|                           |       |
|---------------------------|-------|
| Power Consumption (idle): | 1.3 W |
|---------------------------|-------|

### Operational Conditions

|                              |             |
|------------------------------|-------------|
| Operating Temperature (T-T): | 0 - 70 °C   |
| Storage Temperature (T-T):   | -40 - 85 °C |
| 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 |
|---------------------------------|-----|

### Other Features

|                 |       |
|-----------------|-------|
| Product Colour: | Black |
| Internal:       | Yes   |

|                                      |                        |
|--------------------------------------|------------------------|
| Compliance Certificates:             | RoHS                   |
| Compatible Products:                 | Dell Server            |
| Features                             |                        |
| SSD Capacity:                        | 240 GB                 |
| SSD Form Factor:                     | 2.5"                   |
| 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:                         | 400 MB/s               |
| Random Read (4KB):                   | 86000 IOPS             |
| Random Write (4KB):                  | 9000 IOPS              |
| 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 |
|------------------------------|----------|

Origin Storage Limited

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