



# Product Datasheet

## 1920GB Hot Plug Enterprise SSD 2.5in SATA Mixed Work Load



- **Product Code:** DELL-1920EMLCMWL-S16
- **Product EAN:** 5056006107200
- **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: | 54.3 g   |

### Power

|                              |     |
|------------------------------|-----|
| Power Consumption (average): | 3 W |
|------------------------------|-----|

### Operational Conditions

|                              |             |
|------------------------------|-------------|
| Operating Temperature (T-T): | 0 - 70 °C   |
| Storage Temperature (T-T):   | -40 - 85 °C |
| Operating Vibration:         | 2.17 G      |
| Non-operating Vibration:     | 2.17 G      |
| Operating Shock:             | 1500 G      |
| Non-operating Shock:         | 1500 G      |

### Packaging Data

|                                 |     |
|---------------------------------|-----|
| Storage Drive Adapter Included: | Yes |
|---------------------------------|-----|

### Other Features

|                          |      |
|--------------------------|------|
| Internal:                | Yes  |
| Compliance Certificates: | RoHS |

|                      |             |
|----------------------|-------------|
| Compatible Products: | Dell Server |
|----------------------|-------------|

## Features

|                             |                        |
|-----------------------------|------------------------|
| SSD Capacity:               | 1.92 TB                |
| 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:                 | 550 MB/s               |
| Write Speed:                | 520 MB/s               |
| Maximum Read (4KB):         | 95000 IOPS             |
| Maximum Write (4KB):        | 28000 IOPS             |
| Random Read (4KB):          | 95000 IOPS             |
| Random Write (4KB):         | 28000 IOPS             |
| Read Latency:               | 110 µs                 |
| Write Latency:              | 110 µs                 |
| S.M.A.R.T. Support:         | Yes                    |
| TRIM Support:               | Yes                    |
| ECC:                        | No                     |
| Hot-swap:                   | Yes                    |
| End-to-End Data Protection: | Yes                    |

|                                                 |           |
|-------------------------------------------------|-----------|
| Enhanced Power Loss Data Protection Technology: | Yes       |
| Mean Time Between Failures (MTBF):              | 2000000 h |
| Active Garbage Collection:                      | Yes       |
| Windows Operating Systems Supported:            | Yes       |
| Linux Operating Systems Supported:              | Yes       |
| TBW Rating:                                     | 10512     |

Logistics Data

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

Origin Storage Limited

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