



# Product Datasheet

## 3840GB Hot Plug Enterprise SSD 2.5in SATA Read Intensive



- **Product Code:** CPQ-3840EMLCRI-S7
- **Product EAN:** 5056006106166
- **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

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

## Operational Conditions

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

## Other Features

|                  |     |
|------------------|-----|
| <b>Internal:</b> | Yes |
|------------------|-----|

## Features

|                             |                        |
|-----------------------------|------------------------|
| <b>SSD Capacity:</b>        | 3.84 TB                |
| <b>SSD Form Factor:</b>     | 2.5"                   |
| <b>Interface:</b>           | Serial ATA             |
| <b>NVMe:</b>                | No                     |
| <b>Memory Type:</b>         | MLC                    |
| <b>Component For:</b>       | Server/workstation     |
| <b>Hardware Encryption:</b> | Yes                    |
| <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>                       | 480 MB/s    |
| <b>Maximum Read (4KB):</b>                | 97000 IOPS  |
| <b>Maximum Write (4KB):</b>               | 24000 IOPS  |
| <b>Random Read (4KB):</b>                 | 97000 IOPS  |
| <b>Random Write (4KB):</b>                | 24000 IOPS  |
| <b>Read Latency:</b>                      | 130 $\mu$ s |
| <b>Write Latency:</b>                     | 130 $\mu$ s |
| <b>TRIM Support:</b>                      | Yes         |
| <b>RAID Support:</b>                      | Yes         |
| <b>Hot-swap:</b>                          | Yes         |
| <b>Mean Time Between Failures (MTBF):</b> | 2000000 h   |

## Logistics Data

|                                     |          |
|-------------------------------------|----------|
| <b>Harmonized System (HS) Code:</b> | 84717070 |
|-------------------------------------|----------|

## Origin Storage Limited

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