



# Product Datasheet

## Velocity V7000 512GB PCIe 4.0 NVMe M.2 SSD



- **Product Code:** WDS500G1X0E-OS
- **Product EAN:** 5059902017697
- **Warranty:** 3 Years - Advanced Replacement

Origin Velocity V7000 PCIe 4.0 NVMe M.2 SSD provides gaming and hardware enthusiasts with cutting-edge performance in high capacities, perfect for PC builds and upgrades.

Using the latest Gen 4x4 NVMe controller and 3D TLC NAND, Origin Velocity V7000 offers incredible speeds of up to 7,450/6,750MB/s read/write and up to 953K IOPS for exceptional gaming experience. Dominate the competition with rapid file transfers and lightning fast game and application loading times.

# Technical Specifications

## Weight & Dimensions

|                |         |
|----------------|---------|
| <b>Width:</b>  | 80 mm   |
| <b>Depth:</b>  | 22 mm   |
| <b>Height:</b> | 2.38 mm |
| <b>Weight:</b> | 7.5 g   |

## Operational Conditions

|                                     |             |
|-------------------------------------|-------------|
| <b>Operating Temperature (T-T):</b> | 0 - 70 °C   |
| <b>Storage Temperature (T-T):</b>   | -55 - 85 °C |

## Packaging Data

|                         |     |
|-------------------------|-----|
| <b>Screws Included:</b> | Yes |
|-------------------------|-----|

## Other Features

|                                 |      |
|---------------------------------|------|
| <b>Compliance Certificates:</b> | RoHS |
|---------------------------------|------|

## Features

|                             |                 |
|-----------------------------|-----------------|
| <b>SSD Capacity:</b>        | 512 GB          |
| <b>SSD Form Factor:</b>     | M.2             |
| <b>Interface:</b>           | PCI Express 4.0 |
| <b>NVMe:</b>                | Yes             |
| <b>Memory Type:</b>         | 3D TLC          |
| <b>Component For:</b>       | PC/Laptop       |
| <b>Hardware Encryption:</b> | No              |
| <b>Data Transfer Rate:</b>  | 6 Gbit/s        |

|   |             |
|---|-------------|
| <b>Read Speed:</b>                        | 7140 MB/s   |
| <b>Write Speed:</b>                       | 2796 MB/s   |
| <b>Random Read (4KB):</b>                 | 314709 IOPS |
| <b>Random Write (4KB):</b>                | 661648 IOPS |
| <b>Access Time:</b>                       | 0.2 ms      |
| <b>Seek Time:</b>                         | 0 ms        |
| <b>S.M.A.R.T. Support:</b>                | Yes         |
| <b>ECC:</b>                               | Yes         |
| <b>Mean Time Between Failures (MTBF):</b> | 1000000 h   |
| <b>TBW Rating:</b>                        | 200         |

## Origin Storage Limited

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