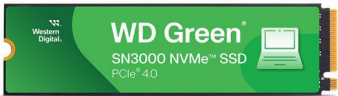


WD Green SN3000 WDS500G4G0E-00CPS0 (WDS500G4G0E-00CPS0)

WD Green SN3000 WDS500G4G0E-00CPS0 - SSD - 500 GB - internal - M.2 2280 - PCIe 4.0 x4 (NVMe)

The WD Green SN3000 from Western Digital is designed to deliver reliable performance and efficient storage solutions. With a capacity of 500 GB, this M.2 2280 internal solid-state drive offers internal data rates of up to 5000 MBps, ensuring quick access to your essential files. Its advanced PCI Express 4.0 x4 storage interface and NVMe technology provide seamless data transfer, perfect for applications demanding speed and efficiency.



Key Selling Points

- Generates internal data rates up to 5000 MBps
- M.2 2280 form factor for compact compatibility
- Withstands operating temperatures from 0°C to 80°C
- Achieves SSD endurance of 100 TB
- Compliant with various global standards for safety

Product Features

- Fast data transfer speeds**  
The WD Green SN3000 allows for internal data rates up to 5000 MBps, enabling quick file storage and retrieval operations to enhance system responsiveness.
- Compact form factor**  
Sized at M.2 2280, this solid-state drive fits into a wide range of devices, providing flexibility for users across different setups.
- High endurance rating**  
Engineered with an endurance of 100 TB, the SSD ensures reliable performance over time, making it suitable for both everyday tasks and intensive workloads.
- Robust temperature tolerance**  
Operating within a temperature range from 0°C to 80°C, this drive maintains performance even in challenging environmental conditions.
- Compliance with standards**  
The product meets a variety of global compliance standards including UL, FCC, and RoHS, ensuring safety and reliability with every use.

Main Specifications

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Product Description    | WD Green SN3000 WDS500G4G0E-00CPS0 - SSD - 500 GB - PCIe 4.0 x4 (NVMe) |
| Type                   | Solid state drive - internal                                           |
| Capacity               | 500 GB                                                                 |
| NAND Flash Memory Type | Quad-level cell (QLC)                                                  |
| Form Factor            | M.2 2280                                                               |
| Interface              | PCIe 4.0 x4 (NVMe)                                                     |
| Features               | NVM Express (NVMe)                                                     |
| Dimensions (WxDxH)     | 22 mm x 80 mm x 2.38 mm                                                |
| Manufacturer Warranty  | 3-year warranty                                                        |

Extended Specification

General

|                        |                              |
|------------------------|------------------------------|
| Device Type            | Solid state drive - internal |
| Capacity               | 500 GB                       |
| NAND Flash Memory Type | Quad-level cell (QLC)        |
| Form Factor            | M.2 2280                     |
| Interface              | PCIe 4.0 x4 (NVMe)           |
| Features               | NVM Express (NVMe)           |
| Width                  | 22 mm                        |

|        |         |
|--------|---------|
| Depth  | 80 mm   |
| Height | 2.38 mm |

## Manufacturer Warranty

|                   |                            |
|-------------------|----------------------------|
| Service & Support | Limited warranty - 3 years |
|-------------------|----------------------------|

## Miscellaneous

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Compliant Standards | BSMI, CAN ICES-3(B)/NMB3(B), FCC, KCC, Morocco, RCM, TUV, UL, VCCI, RoHS |
|---------------------|--------------------------------------------------------------------------|

## Environmental Parameters

|                                     |                           |
|-------------------------------------|---------------------------|
| Min Operating Temperature           | 0 °C                      |
| Max Operating Temperature           | 80 °C                     |
| Min Storage Temperature             | -40 °C                    |
| Max Storage Temperature             | 85 °C                     |
| Shock Tolerance (operating)         | 1500 g @ 0.5 ms half-sine |
| Vibration Tolerance (operating)     | 5 g @ 10-2000 Hz          |
| Vibration Tolerance (non-operating) | 4.9 g @ 7-800 Hz          |

## Performance

|                    |                                      |
|--------------------|--------------------------------------|
| SSD Endurance      | 100 TB                               |
| Internal Data Rate | 5000 MBps (read) / 4100 MBps (write) |

## Reliability

|      |                 |
|------|-----------------|
| MTBF | 1,750,000 hours |
|------|-----------------|

## Expansion & Connectivity

|                |              |
|----------------|--------------|
| Interfaces     | 1 x M.2 Card |
| Compatible Bay | M.2 2280     |

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet