Introducing the WD Black™ NVMe™ SSD: the driving force behind everything you do. Featuring sequential read/write speeds up to 3,400/2,800 MB/s (for 1000GB model), and the innovative Western Digital NVMe SSD storage architecture, it's where blazing speed, top-tier performance, and Western Digital™ 3D NAND technology combine. With up to 600TBW¹ and 1.75M hours MTTF, the WD Black NVMe SSD is the virtually invincible SSD you can rely on.

The Fast Way Forward

No compromises. Nothing holding you back. The WD Black NVMe SSD features sequential read and write speeds up to 3,400/2,800 MB/s¹ for gaming, video editing, virtual reality, and beyond.

Demand More. Consume Less.

Go ahead—do it all. The WD Black NVMe SSD is driven to keep up with even the most demanding workloads. Innovative power management and thermal throttling consistently help prevent overheating to deliver smooth, fast performance.

Built for Greatness

Eliminate boundaries with Western Digital's new vertically integrated SSD platform. This innovative storage architecture features Western Digital 3D NAND, and is optimized resulting in low latency, power efficiency, and compatibility with the growing range of applications benefitting from NVMe.

Fulfill Your Potential

Create without limits. The WD Black NVMe SSD is certified by WD F.I.T. Lab for compatibility with a wide range of high-performance PC configurations—and comes with a 5-year limited warranty.

Under Your Command

Monitor your drive’s available capacity, operating temperatures, SMART attributes and more with the WD SSD Dashboard. Acronis® True Image™ WD Edition software, available as a free download, can clone drives and back up your operating system, applications, settings, and all of your data.
## WD Black™ NVMe™ SSD

### Specifications

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<td>Peak Power (10us)</td>
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### Power

- **Average Active Power (mW)³⁶**: 140, 170, 110
- **Low Power (PS3)³⁶**: 100mW, 70mW, 70mW
- **Peak Power (10us)³⁶**: 2.8A, 2.8A, 2.8A
- **Slumber (PS4) Low Power³⁶**: 2.5mW, 2.5mW, 2.5mW

### Reliability

- **MTTF³**: 1.75M hours, 1.75M hours, 1.75M hours

### Environmental

- **Operating Temperatures³**: 32 °F to 158 °F (0 °C to 70 °C)
- **Non-operating Temperatures³**: -67 °F to 185 °F (-55 °C to 85 °C)
- **Operating Vibration³**: 5.0 gRMS, 7-800 Hz, 3 axes
- **Non-operating Vibration³**: 4.9 gRMS, 7-800 Hz, 3 axes
- **Shock³**: 1,500 G @ 0.5 ms half sine
- **Certifications³**: FCC, UL, TÜV, KCC, BSMI, VCCI, C-Tick
- **Limited Warranty³**: 5 years, 5 years, 5 years

### Physical Dimensions

- **Length**: 80 ± 0.15mm, 80 ± 0.15mm, 80 ± 0.15mm
- **Width**: 22 ± 0.15mm, 22 ± 0.15mm, 22 ± 0.15mm
- **Height**: 2.38mm, 2.38mm, 2.38mm
- **Weight**: 7.5 ± 1g, 7.5 ± 1g, 7.5 ± 1g

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Specifications subject to change without notice.

1. For 1000GB capacity.
2. As used for storage capacity, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second. Performance will vary depending on your hardware and software components and configurations.
3. Not all products may be available in all regions of the world.
4. Backward compatible with PCIe Gen2 x2, PCIe Gen4 x4, and PCIe Gen3 x4.
5. Test Conditions: Performance is based on the CrystalDiskMark 5.2.2 benchmark using a 1000MB LBA range ASUS Z170A desktop with Intel® i7-6700K 4.0GHz, 8GB 2133MHz DDR4, Windows 10 Pro 64-bit using Microsoft StorNVMe driver, secondary drive. Performance may vary based on host device. 1 MB = 1,000,000 bytes. IOPS = input/output operations per second.
6. Q=Queue, T=Thread.
7. TBW (terabytes written) values calculated using JEDEC client workload (JESD219) and vary by product capacity.
8. Power measurements at 25°C.
10. MTTF = Mean Time To Failure based on internal testing using Telcordia stress part testing (Telcordia SR-332, GB, 25°C). MTTF is based on a sample population and is estimated by statistical measurements and acceleration algorithms. MTTF does not predict an individual drive’s reliability and does not constitute a warranty.
11. Operational temperature as reported by device (composite temperature).
12. Non-operational storage temperature does not guarantee data retention.
13. 5 years or Max Endurance (TBW) limit, whichever comes first. See support.wdc.com for regional specific warranty details.

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