PRODUCT BRIEF

WD Gold™ Enterprise Class NVMe™ SSD

Accelerate your Enterprise with WD Gold™

Add the power of NVMe™ to your enterprise to improve system responsiveness and boost productivity while lowering your overall TCO. Available in a range of capacities* to meet your business's specific needs, WD Gold™ NVMe SSDs can work alone or perfectly complement your WD Gold HDDs and other HDDs to handle tough workloads** with endurance you can trust.

Product Highlights

- Improve system responsiveness and boost your business's productivity with next-generation enterprise-class NVMe™ SSDs.
- Power loss protection lets you work with confidence and peace of mind.
- Help eliminate sensitive data with fast and effective secure erase.
- Complement your WD Gold HDD with high-performance WD Gold SSDs available in a range of capacities.

Improve system responsiveness

Meet your demanding performance needs and boost productivity with next-generation enterprise-class NVMe SSDs.

Work with confidence

Power loss protection adds enterprise-class reliability for extra peace of mind.

Delete sensitive data

Help stop anyone from accessing sensitive data by eliminating it with fast and effective secure erase technology.

The perfect addition

Complement your WD Gold HDD with high-performance WD Gold SSDs in a range of capacities.

*As used for storage capacity, one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment.

**Workload Rate is defined as the amount of user data transferred to or from the hard drive. Workload Rate is annualized (TB transferred X (8760 / recorded power-on hours)). Workload Rate will vary depending on your hardware and software components and configurations.

WD Gold™ Enterprise Class NVMe™ SSD

Specification				
Interface U.2 7mm				PCIe Gen3.1 x4
Formatted Capacity[1]				.96TB, 1.92TB, 3.84TB, 7.68TB
Performance[2]	**0.96TB**	**1.92TB**	**3.84TB**	**7.68TB**
Read Throughput (max MiB/s, Seq 128KiB)	3K	3.1K	3.1K	3.1K
Write Throughput (max MiB/s, Seq 128KiB)	1.1K	2K	1.8K	1.8K
Read IOPS (max, Rnd 4KiB)	413K	472K	469K	467K
Write IOPS (max, Rnd 4KiB)	44K	63K	63K	65K
Mixed IOPS (max, 70/30 R/W, 4KiB)	111K	194K	174K	187K
Latency (µs, 4KiB Random Read QD1, 99%)[3]	210	208	221	225
Maximum Petabytes Written	1.4	2.8	5.61	11.21
Endurance[4] (DW/D)	0.8	0.8	0.8	0.8
Power				
Requirement (DC, +/- 10%)	+12V	+12V	+12V	+12V
Operating Modes (W, Average)	10, 11, 12	10, 11, 12	10, 11, 12	10, 11, 12
Idle (W, Average)	4.6	4.62	4.94	4.95
Reliability				
MTBF[5]	2	2	2	2
Uncorrectable Bit Error Rate (UBER)	1 in 10^{17}	1 in 10^{17}	1 in 10^{17}	1 in 10^{17}
Limited Warranty[6]	5	5	5	5
Physical Size				
z-height (mm)	7.00 +0.2/-0.5 (including labels)	7.00 +0.2/-0.5 (including labels)	7.00 +0.2/-0.5 (including labels)	7.00 +0.2/-0.5 (including labels)
Dimensions (width x length, mm)	69.85 (+/- 0.25) x 100.45	69.85 (+/- 0.25) x 100.45	69.85 (+/- 0.25) x 100.45	69.85 (+/- 0.25) x 100.45
Weight (g. max)	95	95	95	95
Environmental				
Operating Temperature[7]	0°C to 70°C	0°C to 70°C	0°C to 70°C	0°C to 70°C
Non-operating Temperature[8]	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Ordering Information	**096TB**	**1.92TB**	**3.84TB**	**7.68TB**
Model Numbers	WDS960G1D0D	WDS192T1D0D	WDS384T1D0D	WDS768T1D0D

[1] As used for storage capacity, 1GB = 1 billion bytes and 1TB = one trillion bytes. Actual user capacity may be less depending on operating environment.
[2] As used for transfer rate, 1 MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.
[3] Average read latency at 4KiB, QD=1.
[4] Endurance rating based on DW/D using 8KiB random write workload over 5 years.
[5] MTBF specifications are based on a sample population and are estimated by statistical measurements and acceleration algorithms under typical operating conditions for this drive model. MTBF ratings do not predict an individual drive's reliability and do not constitute a warranty.
[6] The warranty for the product will expire on the earlier of (i) the date when the flash media has reached one-percent (1%) of its remaining life or (ii) the expiration of the time period associated with the product.
[7] Composite temperature reading.
[8] Values are based on ambient temperature. Avoid non-operational exposure to temperatures in excess of 40°C for periods exceeding three months.

Western Digital.

5601 Great Oaks Parkway
San Jose, CA 95119, USA
US (Toll-Free): 800.275.4932
International: 408.717.6000

www.westerndigital.com

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