

[SATA SSD]

THE SATA SSD READY TO BOOST YOUR PRODUCTIVITY.

Trusted by IT professionals, content creators, and prosumers, the SANDISK® 520 SATA SSD delivers peak SATA read speeds up to 560MB/s² and write speeds up to 525MB/s² (4TB¹ model) to power high-performance PCs. Capacities from 500 up to 4TB¹ are built with trusted SANDISK® 3D NAND, up to 1,000 TBW⁴ (4TB¹ model) endurance, and up to 2.25M hours MTTF⁴ reliability rating. Make your upgrade simple with the free downloadable Acronis® True Image™ for SANDISK® data migration software⁷ (cable may be required, sold separately). Work with confidence with the downloadable SANDISK® Dashboard⁶ (Windows® only) which helps monitor your SSD along with a 5-year limited warranty.⁵



(→) KEY FEATURES

■ TRUSTED BY PROFESSIONALS

Professionals, content creators, and prosumers trust Sandisk to deliver SATA read speeds up to 560MB/s² for creative workflows and productivity suites.

■ EXPAND YOUR PC STORAGE

Available from 500GB up to 4TB¹ on 2.5" form-factor to add much needed capacity for more applications, videos, pictures, and personal data.

■ SOLID STATE RELIABILITY

Designed without any moving parts, the SANDISK® 520 SATA SSD is built with trusted SANDISK® 3D NAND and is shock resistant.

■ MIGRATE WITH EASE

Upgrade easily with our free Acronis® True Image™ for SANDISK® software⁷ (additional cable or hardware may be required and is sold separately).

■ MONITOR WITH SANDISK® DASHBOARD⁶ (WINDOWS® ONLY)

The downloadable SANDISK® Dashboard⁶ (Windows® only) allows you to monitor your new drive's performance and storage space, and keeps your drive updated.

■ TRUSTED BRAND

With a 5-year limited warranty,⁵ you can work with confidence and have peace of mind while upgrading or replacing your old drive.

(→) PRODUCT FEATURES

TRUSTED BY PROFESSIONALS

Professionals, content creators, and prosumers trust Sandisk to deliver fast SATA read speeds up to 560MB/s² and write speeds up to 525MB/s,² (4TB¹ model) ideal for intense, AI-enabled workflows.

SOLID-STATE RELIABILITY

Designed without any moving parts, the SANDISK® 520 SATA SSD is built with trusted SANDISK® 3D NAND with up to 1,000 TBW⁴ (4TB¹ model), and 2.25M Hours MTTF⁴ reliability.

MONITOR WITH OUR SANDISK® DASHBOARD⁶

The downloadable SANDISK® Dashboard⁶ (Windows® only) allows you to monitor your new drive's performance and storage space and keeps your drive up to date.

EXPAND YOUR PC STORAGE

SANDISK® 520 SATA SSDs are available up to 4TB¹ on 2.5” form-factor to add much-needed capacity for productivity applications, videos, pictures, and your personal data.

MIGRATE TO YOUR NEW DRIVE WITH EASE

Easily upgrade with our free Acronis® True Image™ for SANDISK® software⁷ (additional cable or hardware may be required and is sold separately).

5-YEAR LIMITED WARRANTY⁵

With a 5-year limited warranty,⁵ you can work with confidence and have peace of mind when upgrading or replacing your old drive.

PRODUCT SPECIFICATIONS (2.5"/7mm)				
CAPACITIES ¹	500GB	1TB	2TB	4TB
MODEL NUMBERS	SDSS51500GAB	SDSS51100TAB	SDSS51200TAB	SDSS51400TAB
FORM FACTOR	2.5"/7mm cased			
INTERFACE ¹⁰	SATA III 6 Gbps			
NAND TYPE	SANDISK® TLC 3D NAND			
DRAM	No			
SLC CACHE	Yes			
PERFORMANCE ²				
Sequential Read, up to (MB/s)	560MB/s	560MB/s	560MB/s	560MB/s
Sequential Write, up to (MB/s)	510MB/s	520MB/s	520MB/s	525MB/s
Random Read, up to (IOPS)	78K	89K	89K	85K
Random Write, up to (IOPS)	73K	74K	75K	76K
POWER ³				
Average Active Power	0.97 W	1.01 W	1.05 W	1.09 W
Max Read Operating	1.51 W	1.49 W	1.52 W	1.8 W
Max Write Operating	1.7 W	1.8 W	2.59 W	4.65 W
Slumber	31mW	31 mW	34 mW	31 mW
DevSlp	9 mW	10 mW	9 mW	10 mW
RELIABILITY				
Endurance ⁴ (TBW)	300	400	700	1,000
MTTF ⁴ up to (hours)	2.25M Hours			
Warranty ⁵	5 years limited			
REGULATORY				
CERTIFICATIONS	BSMI, CAN ICES-3(B)/NMB-3(B), CE,FCC,KCC,Morocco,RCM,TÜV,UL,VCCI			
RoHS COMPLIANT	Yes			
FEATURED SOFTWARE	SANDISK® Dashboard® (Windows® only), Acronis® True Image™ for SANDISK® software ⁷			
ENVIRONMENTAL				
Operating Temperature ⁸	0°C to 70°C			
Non-operating Temperature ⁸	-55°C to 85°C			
Operating Vibration	5 gRMS, 10-2000 Hz, 3 axes			
Non-operating Vibration	4.9 gRMS, 7-800 Hz, 3 axes			
Shock	1,500G @ 0.5 ms half-sine			
DIMENSIONS ⁹	Length	Width	Height	Weight
SIZE	100.50mm	69.85mm	7.0mm	34.5g

¹ 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

² 1MB/s = 1 million bytes per second. IOPS = input/output operations per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.

³ Measured using the IOMeter benchmark with DIPM (Device Initiated Power Management) enabled for 2.5" drives. Max power measured during continuous sequential read or write activity and indicates the average over 10 microsecond intervals.

⁴ TBW (terabytes written) values calculated using JEDEC client workload (JESD219) and vary by product capacity. MTTF = Mean Time To Failure based on internal testing using Telcordia™ stress part testing (Telcordia SR-332, GF, 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.

⁵ 5 years or Max Endurance (TBW) limit, whichever occurs first. See sandisk.com/support for region-specific warranty details.

⁶ Available for download at sandisk.com/support

⁷ Download, installation, and administrative privileges required. Includes 5-year license for your compatible drive. Redeem within 90 days of purchase. Terms and conditions apply. User account registration may be required. May not be combined with other offers. Limited time offer; see sandisk.com/support for more details. Offer subject to change.

⁸ Operational temperature is defined as temperature reported by the drive. Note that drive temperature readings are expected to be higher than ambient temperature when the SSD is placed inside a system. The SSD box package is rated up to 60°C. Non-operational storage temperature does not guarantee data retention.

⁹ Physical product dimensions for length and width may vary by ± 0.15mm and product weight may vary by ± 1g.

¹⁰ Backwards compatible with SATA I and II, and supports secure boot, and secure firmware update.