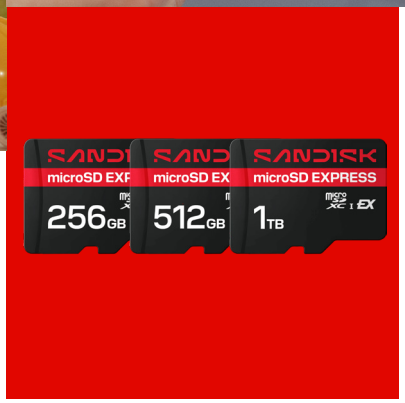

SANDISK® MICROSD™ EXPRESS CARD

NEXT-LEVEL SPEED FOR NEXT-LEVEL EXPERIENCES.

Unleash your creative potential and dive into new experiences with SANDISK® microSD™ Express, the next-gen microSD™ card for those who refuse to settle. Now with a PCIe® Gen 3-NVMe™ interface, the new card delivers breakthrough performance that redefines what's possible. Up to 3.5 times faster transfer speeds than our fastest microSD™ UHS-I cards,[3] they enable exponentially faster camera roll offloads and 2-hour HD movie download transfers in less than 3.2 seconds[9] while using SANDISK® PRO-READER SD Express Dual Card (sold separately) [1TB model[1]]. Works with a range of handheld gaming devices to deliver super quick load times and an ultra-smooth, immersive gaming experience. Create next-level immersive content with a card that supports up to 5.3K video[4] capture today and up to 8K video[4] in possible new devices. SANDISK® ThermAdapt™ technology helps keep heat generated by high speeds within reliable operating limits with a specially designed enclosure and an adaptive thermal controller. Backwards compatible with microSD™ UHS-I devices, SANDISK® microSD™ Express technology readies you — the next generation of creators and explorers — for the future of superspeed devices.

SANDISK™

(→) HIGHLIGHTS

- **READY FOR TOMORROW.** Ready for future superspeed products with PCIe®-NVMe™ interfaces and performs at UHS-I speeds when used with microSD™ UHS-I and UHS-II devices.
- **EXPONENTIALLY FASTER PERFORMANCE.** Up to 3.5X times faster read speeds than our fastest microSD™ UHS-I cards[3] with up to 880 MB/s[2] transfer speeds.
- **GAME-READY STORAGE, NEXT-LEVEL SPEEDS.** Leverage ultra-fast read speeds with a microSD™ card designed for seamless performance that works with a range of handheld gaming devices.
- **MASSIVE TIME-SAVER.** Transfer up to 60 minutes of 4K UHD video[4] shot at 30 fps in just less than 15 seconds[8] and up to 1,000 10MP RAW photos in less than 50 seconds[7] when paired with SANDISK® PRO-READER SD Express Dual Card (sold separately) [1TB model[1]].
- **DURABILITY YOU CAN COUNT ON.** Cards are waterproof, temperature-proof, humidity-proof, drop-proof, shock-proof, magnetic-proof, x-ray proof, and wear-out proof.[5]
- **HEAT MANAGEMENT REIMAGINED.** SANDISK® ThermAdapt™ technology helps keep devices from overheating with a specially designed enclosure and controller that uses dynamic adaptive thermal management.
- **TRUST US WITH YOUR CONTENT.** Experience reliable performance and peace of mind with a lifetime limited warranty.[6]

SANDISK™

(→) PRODUCT SPECIFICATIONS

FORM FACTOR	microSD™ Card
AVAILABLE CAPACITIES[1]	1TB, 512GB, 256GB
INTERFACE	PCIe® 3.1 NVMe™ and microSD™ UHS-I
DATA TRANSFER RATES[2]	[1TB] Up to 880 MB/s Read, Up to 800 MB/s Write, 745 MB/s Sustained Write [512GB] Up to 880 MB/s Read, Up to 650 MB/s Write, 220 MB/s Sustained Write [256GB] Up to 880 MB/s Read, Up to 650 MB/s Write, 210 MB/s Sustained Write
PRODUCT DIMENSIONS	0.59 x 0.43 x 0.04 in | 14.99 x 10.92 x 1.02 mm
PACKAGING DIMENSIONS	0.55 x 4.00 x 6.00 in | 13.98 x 101.6 x 152.4 mm
PRODUCT WEIGHT	0.0006 lb | 0.26 g
OPERATING TEMPERATURE	-13°F to 185°F (-25°C to 85°C)
STORAGE TEMPERATURE	-40°F to 185°F (-40°C to 85°C)
PRODUCT COMPATIBILITY	Compatible with a range of devices that include microSD™ Express, microSD™ UHS-I, and microSD™ UHS-II slots. Performs at microSD™ UHS-I speeds when used with microSD™ UHS-I and microSD™ UHS-II devices.
LIMITED WARRANTY[6]	Lifetime limited

FOOTNOTES:

1. 1GB=1,000,000,000 bytes. 1TB=1,000,000,000,000 bytes. Actual user storage less.
2. [1TB] Up to 880 MB/s read speeds. Up to 800 MB/s write speeds. 745 MB/s minimum sustained write speed. Compatible device required capable of reaching such speeds. Based on internal testing; performance may be lower depending upon host device, interface, usage conditions and other factors. 1MB=1,000,000 bytes.
2. [512GB] Up to 880 MB/s read speeds. Up to 650 MB/s write speeds. 220 MB/s minimum sustained write speed. Compatible device required capable of reaching such speeds. Based on internal testing; performance may be lower depending upon host device, interface, usage conditions and other factors. 1MB=1,000,000 bytes.
2. [256GB] Up to 880 MB/s read speeds. Up to 650 MB/s write speeds. 210 MB/s minimum sustained write speed. Compatible device required capable of reaching such speeds. Based on internal testing; performance may be lower depending upon host device, interface, usage conditions and other factors. 1MB=1,000,000 bytes.
3. Based on internal testing with the SANDISK PRO-READER SD Express Dual Card against the 256GB-1TB SANDISK Extreme PRO UHS-I microSDXC card with SANDISK Professional PRO-READER SD & microSD. Performance may be lower depending upon host device, interface, usage conditions and other factors.
4. Compatible device required. 4K UHD (3840x2160), 5.3K (5312x2988) and 8K (7680x4220) video support may vary based upon host device, file attributes and other factors. See www.sandisk.com/HD.
5. Card only. See product packaging or www.sandisk.com/proof for additional information and limitations.
6. 30-year warranty in Germany, Canada and regions not recognizing lifetime warranty. See www.sandisk.com/wug.
7. Based on internal testing with an average 10MP RAW file size of 11.8 MB and SANDISK PRO-READER SD Express Dual Card (sold separately); performance may be lower depending on host device, interface, usage conditions and other factors. 1MB=1,000,000 bytes.
8. Based on internal testing on 4K UHD (3840x2160) video at 30fps with an average file size of 6.77GB, and the SANDISK PRO-READER SD Express Dual Card (sold separately); performance may be lower depending on host device, interface, usage conditions and other factors. 1MB=1,000,000 bytes.
9. Based on internal testing on 2-hour HD movie with an average file size of 2GB and the SANDISK PRO-READER SD Express Dual Card (sold separately); performance may be lower depending on host device, interface, usage conditions and other factors. 1MB=1,000,000 bytes.

SANDISK, the SANDISK logo, SANDISK ThermAdapt and ThermAdapt are registered trademarks or trademarks of Sandisk Corporation or its affiliates in the US and/or other countries. NVMe is a trademark of NVM Express, Inc. PCIe® is a trademark of PCI-SIG. All other marks are the property of their respective owners. The microSD mark and logo are trademarks of SD-3C LLC. Product specifications subject to change without notice. Pictures shown may vary from actual products.

© 2026 Sandisk Corporation or its affiliates. All rights reserved.