

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 performance comparable to our mainstream portable SSD.³ Up to 4.4 times faster than our fastest microSD™ UHS-I cards,⁷ they enable exponentially faster camera roll offloads and 2-hour HD movie (2GB) download transfers in less than 3.3 seconds while using SanDisk® PRO-READER SD Express Dual Card² (sold separately). Start gaming faster and explore virtual worlds that appear more realistic than ever. Create next-level immersive content with a card that supports up to 5.3K video⁴ capture today and up to 8K video⁴ 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.

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 4.4 times faster read speeds than our fastest microSD™ UHS-I cards⁷ with up to 880MB/s² transfer speeds.
- **MASSIVE TIME-SAVER.** Transfer 60 minutes of 4K UHD video⁴ shot at 30 fps in just less than 70 seconds and 1,000 10MP RAW photos in less than a minute (51.7 seconds) when paired with SanDisk® PRO-READER SD Express Dual Card (sold separately).²
- **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™ 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® microSD™ Express Card

Unleash your creative potential anywhere.



PRODUCT SPECIFICATIONS

Form Factor	microSD™ Express card
Available Capacities ¹	512GB, 256GB, 128GB
Interface	PCIe® Gen 3-NVMe™
Data Transfer Rates ²	512GB: Up to 880MB/s Read Speed; Up to 650MB/s Write Speed 256GB: Up to 880MB/s Read Speed; Up to 650MB/s Write Speed 128GB: Up to 880MB/s Read Speed; Up to 480MB/s Write Speed
Sustained Write Speeds ²	512GB: 220MB/s Sustained Write Speed 256GB: 210MB/s Sustained Write Speed 128GB: 100MB/s Sustained Write Speed
Product Dimensions	0.59 x 0.43 x 0.03 in 14.99 x 10.92 x 1.02 mm
Packaging Dimensions	0.54 x 4 x 6 in 13.6 x 101.6 x 152.4 mm
Product Weight	0.06 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)
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.
Warranty ⁶	Lifetime Limited Warranty

¹ 1GB=1,000,000,000 bytes. Actual user storage less.

² [512GB] Up to 880MB/s read speeds. Up to 650MB/s write speeds. 220MB/s minimum sustained write speed. Based on internal testing; performance may be lower depending upon host device, interface, usage conditions and other factors. 1MB=1,000,000 bytes.

[256GB] Up to 880MB/s read speeds. Up to 650MB/s write speeds. 210MB/s minimum sustained write speed. Based on internal testing; performance may be lower depending upon host device, interface, usage conditions and other factors. 1MB=1,000,000 bytes.

[128GB] Up to 880MB/s read speeds. Up to 480MB/s write speeds. 100MB/s minimum sustained write speed. 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 1TB-2TB SanDisk Portable SSD.

⁴ Compatible device required. Full HD (1920 x 1080), 4K (4096x2160), 4K UHD (3840x2160), 5.3K (5312x2988), and 8K (7680x4,220) 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 the SanDisk PRO-READER SD Express Dual Card against the 128GB-512GB 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.

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