

SanDisk® Automotive SD™ Card Storage Solutions



SanDisk®



Product Highlights

- Capacities: 8 – 64GB (SDHC™/SDXC™)
- Operating Temperature Range: -40°C to 85°C
- Operating voltage: 2.7V to 3.6V
- Enhanced power immunity
- Advanced memory management firmware features including ECC, wear leveling, bad block management
- New “Smart” features including health status monitor, read refresh, programmable string, host lock and secure field firmware update

Additional Support and Advantages

- AEC-Q100 qualification
- Production Part Approval Process (PPAP) documentation
- Extended PCN/EOL notices
- Lower target DPPM, special manufacturing process and enhanced controls
- Ideal storage solution for various use cases: 3D/HD maps, data caching, data logging, security/backup and more
- More than 28 years expertise in NAND flash development and system design
- Full vertical integration of design, manufacturing, assembly, test, reliability analysis and monitoring — supporting the entire product life-cycle

Serving Multiple Automotive Applications

- Navigation/ Infotainment systems
- V2V/V2I communication
- Drive Recorders

Reliable Edge Storage in a Connected World

As cars are becoming intelligent and more connected, data creation and consumption in the car is growing significantly. Driven by the demands of detailed HD/3D maps, rich graphics and advanced sensors, automotive OEMs and tier 1s are utilizing high capacity and efficiently managed NAND storage solutions. SanDisk offers a proven portfolio of commercial and automotive grade products optimized for the connected automotive market. SanDisk's SD™ Cards offer high reliability, traceability and removability allowing production line flexibility as well as ease of updating and accessing data for infotainment, navigation applications and data logging/data collection applications. As storage becomes a critical component in next-generation automotive applications, SanDisk is partnering with customers developing in car systems with cost effective storage solutions.

Vertically integrated, SanDisk controls all critical steps of the design and production process — ensuring industry leading quality and technology. Managed NAND solutions from SanDisk leverage over 28 years of flash storage innovation and over 5,000 patents.

With our broad ecosystem partnerships, SanDisk parts are validated on major chipsets, supporting shorter time to market. SanDisk global footprint provides sales, marketing and technical support team coverage at customer sites.

SanDisk Automotive flash storage solutions and support provide reliability, performance and peace of mind that enable next generation advanced automotive applications.



Ordering Information for Automotive grade SD™ cards

SanDisk Automotive SD™ Cards

Part No	Capacity ¹	Seq R/W ²	Data Retention	Op temp Range	Speed Class
SDSDAG3-008G-XA	8GB	80/20 MB/s	10yr@55°C Fresh	-40°C to 85°C	10/U1
SDSDAG3-016G-XA	16GB	80/30 MB/s	10yr@55°C Fresh	-40°C to 85°C	10/U1
SDSDAG3-032G-XA	32GB	80/50 MB/s	10yr@55°C Fresh	-40°C to 85°C	10/U1
SDSDAG3-064G-XA	64GB	80/50 MB/s	10yr@55°C Fresh	-40°C to 85°C	10/U1

¹1GB=1,000,000,000 bytes. Actual user storage less.

²Based on internal testing; performance may be lower depending on host device, usage and other factors. 1MB=1,000,000 bytes.

Contact Information

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SanDisk®

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SanDisk®, a Western Digital brand, is expanding the possibilities of storage. Our products are in the world's leading-edge data centers, advanced mobile devices and laptops, and trusted by consumers worldwide. At SanDisk, we're expanding the possibilities of data storage. For more than 28 years, SanDisk's ideas have helped transform the industry, delivering next generation storage solutions for consumers and businesses around the globe.