Western Digital. Automotive SD™ Card Storage Solutions

Product Highlights

- Capacities: 8 – 64GB[1] (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
- 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. Western Digital offers a proven portfolio of commercial and automotive grade products optimized for the connected automotive market. Western Digital'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, Western Digital is partnering with customers developing in car systems with cost effective storage solutions.

Vertically integrated, Western Digital controls all critical steps of the design and production process — ensuring industry leading quality and technology. Managed NAND solutions from Western Digital leverage close to 30 years of flash storage innovation and over 5,000 patents.

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

Western Digital 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

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	SC10/U1
SDSDAG3–016G-XA	16GB	80/30 MB/s	10yr@55°C Fresh	-40°C to 85°C	SC10/U1
SDSDAG3–032G-XA	32GB	80/50 MB/s	10yr@55°C Fresh	-40°C to 85°C	SC10/U1
SDSDAG3–064G-XA	64GB	80/50 MB/s	10yr@55°C Fresh	-40°C to 85°C	SC10/U1

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

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