SanDisk Automotive Embedded Storage Solutions



Product Highlights

- Capacities: 4 – 32GB
- Operating Temp Range: -40°C to 85°C
- e.MMC 4.51 HS200 standard
- Supports up to 2 boot/2 user partitions
- Operating voltage: 2.7V to 3.6V
- Enhanced power immunity
- Advanced memory management firmware features including ECC, wear leveling, bad block management

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 on board storage solution for various use cases: 3D/HD maps, larger OS, apps data, data caching, data collection, security/backup and more
- More than 25 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
- Advanced Driver Assist Systems
- Advanced HMI
- V2V/V2I communication
- Digital Cluster
- Drive Recorders
- Autonomous Drive
- Vehicle Gateways

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, large OS, rich graphics and advanced HMIs, automotive OEMs and Tier 1s are utilizing high capacity managed NAND storage solutions. In addition data created by various sensors need to be stored and analyzed hence requiring fast processors and efficient reliable storage. SanDisk offers a proven portfolio of commercial and automotive grade products optimized for the requirements of the connected automotive market. 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 25 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 e.MMC

SanDisk Automotive e.MMC							
Part No	**Capacity[1]**	**Package mm**	**Seq R/W[2]**	**Random R/W[2]**	**Data Retention**	**Op temp Range**	**Availability**
SDIN8DE2-4G-XA	4GB(1D)	11.5x13x1.0	17/90 MB/s	500/4.5K IOPS	10yr@55°C Fresh	-40°C to 85°C	Shipping now
SDIN8DE1-8G-XA	8GB(1D)	11.5x13x1.0	17/90 MB/s	850/4.5K IOPS	10yr@55°C Fresh	-40°C to 85°C	Shipping now
SDIN8DE2-16G-XA	16GB(2D)	11.5x13x1.0	30/115 MB/s	1.2K/4.5K IOPS	10yr@55°C Fresh	-40°C to 85°C	Shipping now
SDIN8DE4-32G-XA	32GB(4D)	11.5x13x1.0	37/120 MB/s	1.2K/4.5K IOPS	10yr@55°C Fresh	-40°C to 85°C	Shipping now

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

[2] Based on internal testing; performance may vary depending upon drive capacity, file attributes, host device, OS and application.

Contact Information

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At SanDisk, we're expanding the possibilities of data storage. For more than 25 years, SanDisk's ideas have helped transform the industry, delivering next generation storage solutions for consumers and businesses around the globe.

Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

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