SanDisk® Automotive Embedded Storage Solutions

Product Highlights

- High reliability, automotive grade storage solution
- Capacities: 8 – 64GB
- Automotive Grade 2 and 3 temp ranges: –40°C to 85°C/–40°C to 105°C
- e.MMC 5.1 HS400 standard
- Core voltage: 2.7V to 3.6V
- Host voltage of 1.7–1.95V or 2.7–3.6V
- Advanced memory management firmware features including ECC, wear leveling, bad block management
- Advanced automotive feature set including advanced health status monitor, enhanced power immunity, low power consumption, manual and automatic data refresh, fast boot, flexible EUDA, OEM configurable boot and RPMB partitions
- SLC cache, refresh and other features optimized for a wide variety of read and write use cases

Product Quality and Reliability

- AEC-Q100 qualification
- Production Part Approval Process (PPAP) documentation
- Extended PCN/EOL notices
- Low DPPM with zero defect strategy, special manufacturing process and enhanced controls
- More than 27 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

Ideal on-board storage solution for various automotive applications:

- Navigation/ Infotainment Systems
- Advanced Driver Assist Systems (ADAS)
- HD Mapping
- V2V/V2I Communications
- Digital Clusters
- Event/Drive Recorders
- Autonomous Drive
- Telematics and Over-the-Air Update

Reliable Edge Storage in a Connected World

The automotive industry is on the cusp of a disruptive technology phase — cars are not simply mechanical engines but are computers on wheels driving a next generation of hardware and software requirements. As cars become connected and autonomous, massive amounts of data are being created and consumed. Reliable, high capacity managed NAND is the ideal solution for this data to be stored and analyzed. SanDisk offers a proven portfolio of automotive grade products designed for the evolving requirements of the connected automotive market.

Vertically integrated, SanDisk owns all critical steps of the design and production process — ensuring industry leading quality and reliability. Managed NAND solutions from SanDisk leverage over 27 years of flash storage innovation and over 5,000 patents. SanDisk Automotive flash storage solutions and support provide reliability, performance and peace of mind that enable next generation advanced automotive applications.

For detailed product information, please contact SanDisk sales or distribution.

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
SDINBDG4-8G-XA	8GB	11.5x13x0.8	300/28 MB/s	17K/5.5K IOPS	15yr@55°C Fresh	-40°C to 85°C	—
SDINBDG4-16G-XA	16GB	11.5x13x0.8	300/56 MB/s	25K/10K IOPS	15yr@55°C Fresh	-40°C to 85°C	—
SDINBDG4-32G-XA	32GB	11.5x13x1.0	300/112 MB/s	25K/10K IOPS	15yr@55°C Fresh	-40°C to 85°C	—
SDINBDG4-64G-XA	64GB	11.5x13x1.2	300/112 MB/s	25K/10K IOPS	15yr@55°C Fresh	-40°C to 85°C	—
SDINBDG4-8G-ZA	8GB	11.5x13x0.8	300/28 MB/s	17K/5.5K IOPS	15yr@55°C Fresh	-40°C to 105°C	—
SDINBDG4-16G-ZA	16GB	11.5x13x0.8	300/56 MB/s	25K/10K IOPS	15yr@55°C Fresh	-40°C to 105°C	—
SDINBDG4-32G-ZA	32GB	11.5x13x1.0	300/112 MB/s	25K/10K IOPS	15yr@55°C Fresh	-40°C to 105°C	—
SDINBDG4-64G-ZA	64GB	11.5x13x1.2	300/112 MB/s	25K/10K IOPS	15yr@55°C Fresh	-40°C to 105°C	—

[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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For more information, please visit:
www.sandisk.com

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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 27 years, SanDisk's ideas have helped transform the industry, delivering next generation storage solutions for consumers and businesses around the globe.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for eMMC *category:*

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Other Similar products are found below :

MTFC32GAPALBH-IT   MTFC64GAPALBH-IT   GLS85VM1004G-S-I-LFWE-ND232   GLS85VM1016C-M-I-BZYE-ND231   S40FC004C1B2I00300   SDINBDG4-8G   SDINBDG4-8G-XI1   THGBMNG5D1LBAIL   SDINBDG4-64G-XI1   SDINADF4-128G   SDINBDG4-8G-XA   SDINBDG4-32G-XI1   SDINBDA4-32G   SDINBDG4-32G-I1   SDINBDG4-64G   SDINBDG4-64G-ZA   GLS85VM1032C-M-I-BZYE-ND231   GLS85VM1008Q-S-I-BZYE-ND235   GLS85VM1008E-S-I-BZYE-ND237   GLS85VM1008C-M-I-LFWE-ND230   GLS85VM1008C-M-I-BZYE-ND231   THGBMJG7C1LBAIL   THGBMJG8C2LBAIL   MTFC32GAZAQHD-WT TR   MTFC32GAZAQHD-WT   MTFC32GAZAQHD-AAT   MTFC8GAMALGT-AIT   MTFC16GAPALNA-AIT   MTFC4GACAJCN-1M WT   MTFC64GAPALBH-AAT   MTFC8GAKAJCN-1M WT   MTFC4GLGDQ-AIT A   SDINADF4-128G-H   SDINBDA4-256G   SDINBDA6-256G-ZA   SDINBDG4-16G-XI2   SDINBDG4-32G-XI2   SDINBDG4-16G-XI1   SDINBDG4-8G-I1T   SDINADF4-64G-H   SDINBDA4-128G   S40FC004C1B2C00000   S40FC004C1B1C00000   S40FC004C1B2I00000   S40FC004C1B1I00000   SH9MCGP1ATI01   SH9MBGP1ATI01   SFEM128GB1ED1TO-I-7G-111-STD   SFEM080GB1ED1TO-I-8H-11P-STD   SFEM064GB1ED1TO-I-6F-111-STD