(→) SANDISK® iNAND® AT EU312
Embedded Flash Drive

High-performance and high-reliability Automotive UFS 2.1 flash drive with 3D NAND technology for tomorrow's demanding automotive applications

The iNAND® AT EU312 UFS embedded storage solution is designed for harsh environments and demanding requirements for e-cockpit and autonomous drive. Building on the success of our e.MMC automotive products, this automotive grade UFS product provides up to 2.5x higher performance and adds higher capacities compared to Sandisk's current 2D automotive e.MMC offering with the quality and reliability automotive customers have come to expect from Sandisk.

Built for advanced applications such as ADAS, sensor fusion and artificial intelligence, the higher capacities and greater performance of the SANDISK® iNAND® AT EU312 EFD will allow customers to boot faster and process the larger amounts of real-time data required in next generation advanced applications.

Product Highlights

- UFS 2.1 standard interface embedded flash drive with additional features for automotive applications
- Capacities: 16GB – 256GB[1] using advanced 3D NAND memory technology
- Automotive Grade 3 / Grade 2 temperature ranges: –40°C to 85°C / –40°C to 105°C
- Advanced memory management firmware features, including strong ECC, read refresh, wear-leveling and bad block management
- Automotive specific feature set, including advanced health status monitor, enhanced power failure protection, fast boot, enhanced SLC LUN, and OEM configurable boot partitioning
- Optimized for a wide variety of read and write intensive use cases

Product Quality and Reliability

- JEDEC47 and AEC-Q100/104 compliant
- Production Part Approval Process (PPAP) documentation available
- Extended PCN and EOL support
- Designed for high reliability with low DPPM manufacturing flow
- 30 years of expertise in NAND flash development and system design
- Full vertical integration of design, manufacturing, assembly, test, reliability analysis and monitoring that supports the entire product life-cycle

Product Specifications

Capacities[1]	Package Size	Operating Temperature	Ordering Information
16GB	11.5×13×1.2mm	-40°C to 85°C -40°C to 105°C	SDINDDH6–16G-XA2 SDINDDH6–16G-ZA2
32GB	11.5×13×1.2mm	-40°C to 85°C -40°C to 105°C	SDINDDH6–32G-XA2 SDINDDH6–32G-ZA2
64GB	11.5×13×1.2mm	-40°C to 85°C -40°C to 105°C	SDINDDH6–64G-XA2 SDINDDH6–64G-ZA2
128GB	11.5×13×1.2mm	-40°C to 85°C -40°C to 105°C	SDINDDH6–128G-XA2 SDINDDH6–128G-ZA2
256GB	11.5×13×1.2mm	-40°C to 85°C -40°C to 105°C	SDINDDH6–256G-XA2 SDINDDH6–256G-ZA2

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

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