(→) SANDISK® iNAND® AT EU552 UFS 3.1
Embedded Flash Drive

Automotive-grade UFS 3.1 flash drive equipped with 3D NAND technology, ensuring superior performance and reliability for automotive applications

The iNAND® AT EU552 UFS drive embedded storage solution is designed for harsh environments and demanding requirements for cockpit solution and autonomous drive.

Changes in automotive electronic system architectures are driving the demand for higher capacities and higher performance data storage devices in applications like ADAS, high-performance central computing and data rich 3D maps. To manage the vast amount of data, automotive storage solutions also need to be capable of supporting a wide range of environments and temperatures, while being fully compatible with industry-standard interfaces.

SANDISK iNAND AT EU552 EFD, featuring Sequential Write Speeds up to 1,200MB/s[1], offers UFS 3.1 JEDEC-compliant Write Booster Storage Technology. With 112L 3D NAND technology, the AT EU552 Drive is designed to meet new automotive E/E architecture requirement.

Design

- 112-layer 3D NAND technology
- UFS 3.1 standard interface embedded flash drive with additional feature for automotive applications
- 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, Automatic Refresh and Host Manual Refresh

Performance

- Up to 1,600MB/s sequential read performance[1]
- Up to 1,200 MB/s[1] sequential write speed for eCockpit, ADAS and Autonomous Driving solutions

Product Quality and Reliability

- Automotive SPICE CL3 certified, JEDEC47 and AEC-Q100/Q104 compliant
- Production Part Approval Process (PPAP) documentation available
- Extended PCN and EOL support
- Designed for high reliability with low DPPM manufacturing flow

Product Specifications

Capacity[2]	Package Size	Operating Temperature	Ordering Information
64GB	11.5×13×1.2mm	-40° to 85°	SDINFDQ6-64G-XA1
		-40° to 105°	SDINFDQ6-64G-ZA1
128GB	11.5×13×1.2mm	-40° to 85°	SDINFDQ6-128G-XA1
		-40° to 105°	SDINFDQ6-128G-ZA1
256GB	11.5×13×1.2mm	-40° to 85°	SDINFDQ6-256G-XA1
		-40° to 105°	SDINFDQ6-256G-ZA1
512GB	11.5×13×1.2mm	-40° to 85°	SDINFDQ6-512G-XA1
		-40° to 105°	SDINFDQ6-512G-ZA1

1. 1 MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.
2. 1 GB = 1 billion bytes. Actual user capacity may be less due to operating environment.

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