iNAND® AT EM132 Automotive Embedded Flash Drive

Product Highlights

- e.MMC 5.1 standard interface embedded flash drive
- Capacities: 32GB – 256GB[1] using reliable 3D NAND memory technology
- Automotive Grade 3 / Grade 2 temperature ranges: -40°C to 85°C / -40°C to 105°C
- Guaranteed data integrity for data pre-loading up to 100% capacity prior to SMT
- Advanced memory management features including strong ECC, automatic refresh, wear-leveling, alpha particle/neutron protection, thermal management, bad block and advanced defect management
- Automotive specific feature set including advanced health status monitor, enhanced power failure protection, and partitioning
- Optimized for a wide variety of read and write intensive use cases

Product Quality and Reliability

- IATF 16949 certified
- JEDEC47 and AEC-Q100/104 compliant
- Adhering to ISO26262 NAND flash Safety mechanisms guidelines
- APQP (Advanced Product Quality Planning) and Production Part Approval Process (PPAP) Level 3 documentation available
- Extended PCN and EOL support
- Designed for high reliability with Automotive suitable manufacturing flow
- Zero Defects Strategy implementation
- 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

Automotive grade e.MMC 5.1 EFD offering high quality and reliability with capacities up to 256GB to address the growing storage requirements of the smart cars of the future

iNAND AT EM132 e.MMC EFD, powered by Western Digital's reliable 3D NAND technology, is optimized for the harsh automotive environments and demanding use cases of the connected and autonomous cars. This latest e.MMC product offers the capacity, quality, and reliability needed for the evolving automotive market driving the technology innovation at full speed.

Designed for advanced applications such as autonomous drive, artificial intelligence and advanced infotainment, iNAND AT EM132 EFD is available in both grade 3 and grade 2 temperature ranges and offers an advanced automotive feature set to enable the next generation use cases in a car.

iNAND AT EM132 Specifications

Capacity[1]	Package Size	Operating Temperature	Ordering Information
32GB	11.5×13×1.0mm	-40°C- 85°C	SDINBDA6-32G-XA1
		-40°C- 105°C	SDINBDA6-32G-ZA1
64GB	11.5×13×1.0mm	-40°C- 85°C	SDINBDA6-64G-XA1
		-40°C- 105°C	SDINBDA6-64G-ZA1
128GB	11.5×13×1.0mm	-40°C- 85°C	SDINBDA6-128G-XA1
		-40°C- 105°C	SDINBDA6-128G-ZA1
256GB	11.5×13×1.2mm	-40°C- 85°C	SDINBDA6-256G-XA1
		-40°C- 105°C	SDINBDA6-256G-ZA1

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

Contact Information

For all inquiries, please email:
OEMProducts@WDC.com

For more information, please visit:
www.WesternDigital.com

Western Digital Corporation | 5601 Great Oaks Parkway | San Jose | CA 95119 | USA

September 2023

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- View SDINBDA6-256G-XA1 on WIN SOURCE
- SanDisk Information

Optimize Your Supply Chain with WIN SOURCE Solutions

- Global Sourcing Solution
- Obsolete Management
- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management