PHISON

EMBEDDED
AUTOMOTIVE SOLUTIONS

We power intelligent cars

With over twenty years of NAND storage experience, we provide one of the most reliable and comprehensive automotive product portfolios on the market. We are committed to providing state-of-the-art NAND storage solutions that support IVI, ADAS, and connectivity applications in modern vehicles of today and the future.

Phison is a proud member of AECC (Automotive Edge Computing Consortium), Renesas R-car Consortium and MIH EV Platform.

eMMC - MEMA Series

Phison's eMMC solutions have been adopted by numerous global leading Tier-1 & OEMs. To meet all the expectations of our partners in the automotive industry, our solutions are compliant with AEC-Q100, IATF16949 and other certifications required by customers. Phison has years of experience in collaboration with automotive partners to develop the most reliable eMMC solutions for Telematics systems, ADAS and IVI in today's modern vehicles.

Phison's MEMA series is the latest eMMC solution for automotive applications. It features high performance and is by far the best eMMC solution on the market for the automotive industry.

eMMC - MEMA

Controller	PS8231			
Capacity [1]	16GB	32GB	64GB	128GB
Interface	eMMC 5.1			
Form Factor	eMMC			
Performance [2] [3] [4]				
Sequential Read	320 MB/s	320 MB/s	320 MB/s	320 MB/s
Sequential Write	140 MB/s	140 MB/s	250 MB/s	260 MB/s
4K Random Read	6200 IOPS	6200 IOPS	6000 IOPS	5900 IOPS
4K Random Write	1900 IOPS	1900 IOPS	1900 IOPS	1800 IOPS
Power				
Supply Voltage	VCC=3.3V, VCCQ=1.8V/3.3V			
Active (Average) [5]	75 mA	75 mA	100 mA	140 mA
Low Power PS4 (L1.2)	75 uA	75 uA	75 uA	75 uA
Temperature				
Operating	-40°C ~ 105°C			
Non-Operating	-40°C ~ 105°C			
Advanced Features	- Pseudo Technology - Field Firmware Update - Power off Notification for Sleep - Production State Awareness			

[1] 1GB = 1,000,000,000 bytes
[2] 1MB/s = 1,000,000 bytes / second
[3] Measured with Phison 6GS tester
[4] Sequence performance is based on HS400, test content 1024MB and chunk size 512K

Find more information and resources at: **phisonblog.com** and **phison.com**