

### Industrial Wide Temperature eMMC 5.1

Product Brief



#### Capacities

**4GB, 8GB, 16GB,  
32GB, 64GB, 128GB**

#### Advanced Features

- eMMC 5.1 specification
- HS400, HS200 performance modes
- Power-failure protection technology
- Customizable firmware
- S.M.A.R.T. Health Report

#### Applications



**Video Surveillance**



**Dashcam**



**Medical**



**Ruggedized Tablet/PC**



**Fleet Tracking**



**Handheld 2-way Radio**

#### Introducing Our Industrial Wide-Temperature eMMC: A Reliable Storage Solution Tailored for Industrial Demands

In the demanding landscape of today's industrial sectors, the necessity for robust and dependable data storage cannot be overstressed. Our Industrial eMMC solutions are engineered to address these critical needs with a focus on durability and continuous operation in the most challenging environments.

#### Key Benefits

##### Reliable Operation and Enhanced Longevity

Our Industrial eMMC is designed for high reliability and an extended service life, ensuring seamless operation around the clock. It is crafted to endure prolonged usage under severe conditions, safeguarding your data and ensuring its availability.

##### Superior Durability

With an impressive mean time between failures (MTBF) exceeding 20 million hours, our eMMC highlights remarkable durability. This feature significantly lowers total ownership costs by minimizing downtime and maintenance expenses.

##### Advanced Performance and Simplified Integration

Our eMMC not only excels in superior read/write capabilities but also facilitates easier integration with CPU platforms. This feature helps streamline development processes, enabling your focus to remain on innovation and enhancing performance.

Specifications

Part Number	Capacity	NAND Flash	Package	Operating Temperature	Protocol	Operating Voltage	Size (mm)
FEMDRW004G-88A39	4GB	pSLC	BGA153	-40°C to +85°C	eMMC 5.1	VCC 3.3V VCCQ 1.8V / 3.3V	11.5x13x1.0mm
FEMDRW008G-88A39	8GB	MLC	BGA153	-40°C to +85°C	eMMC 5.1	VCC 3.3V VCCQ 1.8V / 3.3V	11.5x13x1.0mm
FEMDRW016G-88A43	16GB	MLC	BGA153	-40°C to +85°C	eMMC 5.1	VCC 3.3V VCCQ 1.8V / 3.3V	11.5x13x1.0mm
FEMDRW032G-88A19	32GB	TLC	BGA153	-40°C to +85°C	eMMC 5.1	VCC 3.3V VCCQ 1.8V / 3.3V	11.5x13x1.0mm
FEMDRW064G-88A19	64GB	TLC	BGA153	-40°C to +85°C	eMMC 5.1	VCC 3.3V VCCQ 1.8V / 3.3V	11.5x13x1.0mm
FEMDRW128G-88A19	128GB	TLC	BGA153	-40°C to +85°C	eMMC 5.1	VCC 3.3V VCCQ 1.8V / 3.3V	11.5x13x1.2mm

\*Data based on internal testing. Actual performance may vary due to equipment differences.