

# Lexar

## ENTERPRISE

### Subsize eMMC 5.1 (Commercial Grade)

Product Brief



#### Capacities

**4GB, 8GB, 32GB**

#### Advanced Features

- Dimensions as small as 9x7.5x0.8mm
- Uses 40-55% PCB space compared to standard-sized eMMC
- eMMC 5.1 specification
- HS400, HS200 performance modes
- Power-failure protection technology
- Customizable firmware

#### Applications



Smart watches



Fitness trackers



Smart earphones



Industrial IPCs



GPS Systems

#### Streamlined Storage Solutions for Efficient Electronics

Introducing Subsize eMMC 5.1, a specialized storage solution designed to meet the demands of modern electronics where space is limited and efficiency is critical. Our eMMC 5.1 provides a compact, low-power option that is perfectly suited for designers who aim to enhance the functionality of small-scale devices while maintaining high performance standards.

#### Key Benefits

##### Compact Integration

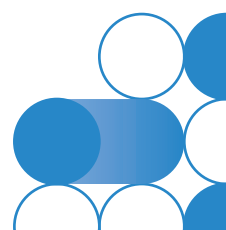
Subsize eMMC occupies minimal printed circuit board (PCB) space, affording designers greater flexibility in creating smaller, more innovative electronic devices. This space-efficient design offers manufacturers a key advantage in the competitive electronics market.

##### Enhanced Power Efficiency

Engineered for reduced power consumption, Subsize eMMC contributes to longer battery life in portable devices, which can significantly improve user experience by ensuring devices operate longer on a single charge.

##### Reliable Compatibility

Fully compliant with JEDEC pin standards, our Subsize eMMC ensures broad compatibility and reliability, simplifying integration and accelerating adoption in diverse hardware environments.



Specifications

Part Number	Capacity	NAND Flash	Package	Operating Temperature	Protocol	Interface	Operating Voltage	Size (mm)
FEMKNN004G-58A42	4GB	MLC	153 Ball	-25°C to +85°C	eMMC 5.1	HS400	VCC 3.3V VCCQ 1.8V / 3.3V	9x7.5x0.8mm
FEMKNN008G-58A42	8GB	MLC	153 Ball	-25°C to +85°C	eMMC 5.1	HS400	VCC 3.3V VCCQ 1.8V / 3.3V	9x7.5x0.8mm
FEMJNM032G-58C29	32GB	TLC	153 Ball	-25°C to +85°C	eMMC 5.1	HS400	VCC 3.3V VCCQ 1.8V / 3.3V	9x10x0.8mm

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