

Lexar

ENTERPRISE

ePOP3 / ePOP4x

Product Brief



Capacities

**ePOP3: 8GB+8Gb,
32GB+8Gb**

**ePOP4x: 32GB+16Gb,
64GB+16Gb**

Advanced Features

- This product has passed compatibility verification of multiple platforms
- Supports field firmware update (FFU)

Applications



Smart watches



Fitness trackers



Smart earphones

Small Size, Huge Performance

Born for wearable smart devices, the Lexar Enterprise eMMC Package on Package (ePOP) offers low power consumption and capacity combinations, all in an ultra-compact form factor.

Key Benefits

Integrated and Compact

Featuring a compact design, the Lexar Enterprise ePOP is a perfect, highly integrated solution that requires less space on a printed circuit board.

Low-Power Design

The Lexar Enterprise ePOP was designed to use a lower power draw, extending the battery life of wearable devices.

Capacities for Every Wearable Device

Built to meet the needs of a wide range of devices, the Lexar Enterprise ePOP provides capacity combinations ranging from 8GB+8Gb to 64GB+16Gb.

Specifications—ePOP3

Part Number	Capacity	Protocol	DRAM Frequency	Package	Operating Temperature ¹	Operating Voltage	Size
FAPUB0808-58C2948	8GB + 8Gb	eMMC 5.1 + LPDDR3	800MHz	136b FBGA	-25°C to +85°C	DRAM: VDD1=VDD2=1.8V; VDDQ=1.2V eMMC: VCC: 2.7~3.6V; VCCQ: 1.7~1.95V/2.7~3.6V	10mm x 10mm x 0.9mm
FAPUB3208-58C2948	32GB + 8Gb	eMMC 5.1 + LPDDR3	800MHz	136b FBGA	-25°C to +85°C	DRAM: VDD1=VDD2=1.8V; VDDQ=1.2V eMMC: VCC: 2.7~3.6V; VCCQ: 1.7~1.95V/2.7~3.6V	10mm x 10mm x 0.9mm

Specifications—ePOP4x

Part Number	Capacity	Protocol	DRAM Frequency	Package	Operating Temperature ¹	Operating Voltage	Size
FAPEA3216-58C2930	32GB + 16Gb	eMMC 5.1 + LPDDR4x	2133MHz	144b FBGA	-25°C to +85°C	DRAM: VDD1=1.8V; VDD2=1.1V; VDDQ=0.6V eMMC: VCC: 2.7~3.6V; VCCQ: 1.7~1.95V/2.7~3.6V	8mm x 9.5mm x 0.78mm
FAPEA6416-A3N1130	64GB + 16Gb	eMMC 5.1 + LPDDR4x	2133MHz	144b FBGA	-25°C to +85°C	DRAM: VDD1=1.8V; VDD2=1.1V; VDDQ=0.6V eMMC: VCC: 2.7~3.6V; VCCQ: 1.7~1.95V/2.7~3.6V	8mm x 9.5mm x 0.6mm

[*] Test conditions: Intel Z170 chipset, Intel core i5 6600k, 4GB DDR4, at 25°C

[1] Ambient temperature

[2] Optional features

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

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