8GB DDR5 PC4800 LAPTOP MEMORY

ZM8GSD480



The ZION 8GB DDR5 4800 MHz SO-DIMM Memory Module is designed to deliver next-generation performance and efficiency for laptops, notebooks, and compact computing systems. Built using high-quality DDR5 DRAM components and validated through stringent quality control processes, it offers higher bandwidth, improved power efficiency, and enhanced stability to support modern multitasking and data-intensive workloads.

Key Features

- DDR5 SDRAM technology
- High-speed performance up to 4800 MHz
- Increased bandwidth compared to DDR4 memory
- Optimized for laptops, notebooks, and embedded platforms
- Low power consumption with 1.1V operating voltage
- On-module Power Management IC (PMIC)
- Non-ECC, unbuffered design
- RoHS compliant
- 100% compatibility and reliability tested

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Product Specifications

Parameter	Specification
Capacity	8GB
Memory Type	DDR5 SDRAM
Speed	2400 MHz (Double Data Rate)
Data Rate	4800 MT/s
Voltage	1.1V
Form Factor	SO-DIMM
Pin Count	262-pin
ECC	Non-ECC
Buffered / Registered	Unbuffered
CAS Latency	40
Operating Temperature	0°C to 85°C
Storage Temperature	−40°C to 85°C

Physical Dimensions

- Form Factor: DDR5 SO-DIMM
- Pin Configuration: 262-pin
- Dimensions: 69.6 (L) x 30.0 (W) mm
- Weight: About 8.5 gm.

Advanced Memory Management

- JEDEC-compliant DDR5 architecture
- On-module Power Management IC (PMIC) for improved power regulation
- Dual 32-bit sub-channel architecture for increased efficiency
- On-die Error Detection and Correction (ODECC)
- Auto self-refresh and power-down modes
- Enhanced signal integrity for stable, high-speed operation

Warranty

- 3-Year Warranty

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