

32GB DDR5 PC5600 LAPTOP MEMORY

ZM32GSD560



The ZION 32GB DDR5 5600 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 5600 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

Product Specifications

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|-------------------------|-------------------------------|
| • Parameter | • Specification |
| • Capacity | • 32GB |
| • Memory Type | • DDR5 SDRAM |
| • Speed | • 2800 MHz (Double Data Rate) |
| • Data Rate | • 5600 MT/s |
| • Voltage | • 1.1V |
| • Form Factor | • SO-DIMM |
| • Pin Count | • 262-pin |
| • ECC | • Non-ECC |
| • Buffered / Registered | • Unbuffered |
| • CAS Latency | • 46 |
| • 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