

# 16GB DDR4 PC3200 DESKTOP MEMORY

## ZM16GUD320



### Product Overview

The Zion 16GB DDR4 3200 MHz Memory Module is designed to deliver reliable performance for desktop, workstation, and embedded computing applications. Built with high-quality DRAM components and strict quality controls, it ensures stable operation, improved multitasking efficiency, and long-term durability.

---

### Key Features

- DDR4 SDRAM technology
- High-speed performance up to 3200 MHz
- Optimized for desktop and embedded platforms
- Low power consumption at 1.2V
- Non-ECC, unbuffered DIMM
- RoHS compliant
- 100% compatibility and reliability tested

Product Specifications

| Parameter             | Specification               |
|-----------------------|-----------------------------|
| Capacity              | 16GB                        |
| Memory Type           | DDR4 SDRAM                  |
| Speed                 | 1600 MHz (Double Data Rate) |
| Data Rate             | 3200 MT/s                   |
| Voltage               | 1.2V                        |
| Form Factor           | UDIMM                       |
| Pin Count             | 288-pin                     |
| ECC                   | Non-ECC                     |
| Buffered / Registered | Unbuffered                  |
| CAS Latency           | 22                          |
| Operating Temperature | 0°C to 85°C                 |
| Storage Temperature   | -40°C to 85°C               |

Physical Dimensions

- Form Factor: DDR4 UDIMM
- Pin Configuration: 288-pin
- Dimensions: 133.35 (L) x 31.25 (W) mm
- Weight: About 18 gm.

Advanced Memory Management

- JEDEC-compliant design
- On-Die Termination (ODT)
- Command/Address parity
- Auto self-refresh and power-down modes
- Enhanced signal integrity for stable operation

Warranty

- 3-Year Warranty