

## Embedded Solutions

# DRAM Modules DDR5





Transcend's DDR5 DRAM modules operate at a nominal voltage of only 1.1V, offering higher energy efficiency and exceptional clock speeds to cater to the demands of the embedded industry. Power management integrated circuits (PMIC) provides better signal integrity and more stable power. All components are of the highest quality, having been sourced directly from the world's first-tier supplier of DRAM chips and stringently tested for unparalleled compatibility, reliability, and performance.

## Features

- 1.1V low power supply
- Power management IC (PMIC), high energy efficiency
- On-die ECC
- Burst Length: 16, 32
- 16 bit pre-fetch
- Multi-Purpose Command (MPC)
- Decision Feedback Equalization (DFE)
- SPD Hub with Thermal Sensor
- 100% tested for stability, compatibility and performance
- Limited Lifetime Warranty

# DDR5 Unbuffered DIMMs

Module Type	DDR5	
	Long-DIMM	SO-DIMM
Product Image		
Standard	JEDEC	
Speed	4800 Mbps	
Capacity	16GB / 32GB	
Voltage	1.1V	
Pin Count	Long-DIMM: 288 pin	SO-DIMM: 262 pin
PCB Height	Standard: 1.23 inches	Standard: 1.18 inches
Anti-Sulfuration	Optional	
Operating Temperature	Standard Temperature: 0°C ~ 85°C	

## Ordering Information

### DDR5-4800 Long-DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.1V)
16GB	(2Gx8)x8	1Rx8	TS2GLA64V8E
32GB	(2Gx8)x16	2Rx8	TS4GLA64V8E

### DDR5-4800 SO-DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.1V)
16GB	(2Gx8)x8	1Rx8	TS2GSA64V8E
32GB	(2Gx8)x16	2Rx8	TS4GSA64V8E

Product specifications are subject to change without notice. Pictures shown may differ from actual products. Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend beforehand for clarification.



Please feel free to contact us with any special requests you might have.  
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