



DDR5 SODIMM

Product Features

- On module Power Management IC (JEDEC Standard: 1.1V)
- Operating Environment: 0°C ~ 95°C (Tc)
- Anti-Sulfuration Protection Against Harsh Environments
- 30μ” Gold Finger
- RoHS Compliance
- CE/FCC Certification

Overview:

Quantum Digital Technology and the latest DDR5 SDRAM specification has significant improvements in capacity, speed and voltage. By design the Power Management IC (PMIC) is moved onto the DIMM, reducing power management circuitry on the motherboard for unused DIMM slots in previous generations.

From JEDEC standard, the DDR5 specification is bringing the maximum potential capacity for a single DDR5 DIMM to 128GB, a theoretical maximum transfer speed of 6400MT/s which is doubling the rate of DDR4, along with the improved power consumption as 1.1V. The modules are SODIMM JEDEC standards and are available in 8GB to 32GB capacities.

Specifications:

Interface	DDR5
Form Factor	SODIMM
Data Rate	4800 MT/s
Capacity	8GB, 16GB, 32GB
Function	Non-ECC Unbuffered Memory
Pin Number	262pin
Width	64Bits
Voltage	1.1V

PCB Height	1.18 Inches
Operating Temperature	0°C to 95°C (Tc)
Anti-Sulfuration	Y

Order Information:

Density	Component Composition	Custom Part Number	Rank	Voltage	Description
8GB	1GX16	TBD	1Rx8	1.1V	DDR5 4800 SODIMM
16GB	2Gx8	TBD	1Rx8	1.1V	DDR5 4800 SODIMM
32GB	2Gx8	TBD	2Rx8	1.1V	DDR5 4800 SODIMM