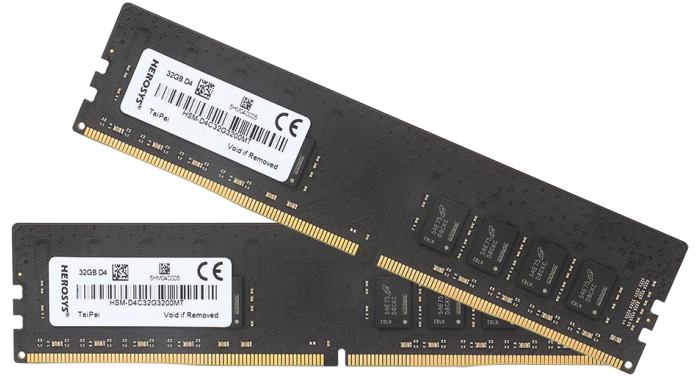


## DDR4 UDIMM Memory Module

HEROSYS industrial-grade DDR4 UDIMM (Unbuffered DIMM) memory modules are engineered in strict compliance with JEDEC design standards. Tailored for desktop PCs, industrial computers, and embedded systems, these modules incorporate original DRAM chips from world-leading manufacturers, including Micron, SK Hynix, and Samsung. Each module undergoes rigorous functionality testing, signal integrity verification, and extended stability assessments to ensure outstanding performance and superior compatibility in demanding industrial environments.



With data transfer speeds of up to 3200 MT/s, the modules feature premium multilayer PCB materials and precision routing design, significantly reducing signal reflection and interference while enhancing stability and accuracy during high-speed data transmission.

Combining high performance, exceptional stability, and environmental sustainability, HEROSYS industrial-grade DDR4 UDIMM memory modules provide the most reliable memory solution for industrial and embedded systems—helping enterprises achieve long-term stable operation while minimizing maintenance costs.

- Data transfer rates up to 3200 MT/s
- Utilizes original high-quality DDR4 DRAM chips from leading brands (Micron / SK Hynix / Samsung)
- No on-DIMM temperature sensor
- PCB height: 31.25 mm; pin pitch: 0.85 mm
- 288-pin dual in-line memory module (DIMM)
- VDD = VDDQ = 1.2V (operating range: 1.14V to 1.26V)
- IC surface temperature: 0° C to 85° C
- Refresh cycle: 64ms (0° C to 85° C)
- Refresh cycle: 32ms (85° C to 95° C)
- Lead-free (RoHS compliant)
- Halogen-free
- Conformal coating / underfill (optional)
- Anti-sulfurization (optional)

# Product Parameters

Parameters	
Model	DDR4 UDIMM
Module Type	UDIMM
Memory technology	DDR4
Speed	2666/2933/3200 MT/s
Density	8GB/16GB/32GB
Function	Non-ECC Unbuffered Memory
Voltage	1.2V
Anti-Sulfuration	Y
Pin Number	288-Pin
Width	64-bit
PCB Height	1.23"
Operating Temperature (°C)	0°C to 95°C (Tc)
Recommended Application	Factory Automation/ Gaming/ Healthcare/ Internet of Things

Part Number	
HSM-D4C8G3200MTP	DDR4, 8GB, 3200Hz, MT
HSM-D4C16G3200MTP	DDR4, 16GB, 3200Hz, MT
HSM-D4C32G3200MTP	DDR4, 32GB, 3200Hz, MT

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