

DDR4

Industrial DRAM Module

DDR4 provides better speed, higher density, and lower voltage over its predecessor DDR3. With a 3200MT/s memory speed, DDR4 can make it ideal for embedded, automated, and security applications. The modules come in 4GB, 8GB, 16GB, and 32GB capacities and adhere to all pertinent JEDEC specifications. Besides 3200MT/s, DDR4 modules also include 2133MT/s, 2400MT/s, 2666MT/s, and 2933 MT/s.

The primary advantages of DDR4 consist of higher capacities and lower power supply coupled with higher data rate transfer speeds in comparison with DDR3. The higher bandwidths of DDR4 are achieved by sending more read/write commands per second. The standard divides the DRAM banks into two or four bank groups that transfer to different bank groups more rapidly. Because the power consumption increases with speed, the reduced voltages allow higher speed operation without unreasonable power and colling requirements.

DDR4 operates at a voltage of 1.2V with a frequency between 800 and 1600MHz (DDR4 1600 through DDR4 3200) compared to frequencies between 400 and 1067 MHz 1.5V DDR3. DDR4 is described as 1.2Volts with bus frequencies of 2133 MTs~3200MT/s enthusiast speed. The DDR4 specifications will also include standardized 3D stacking from JEDEC with provision for up to 8 stacked dies as a result with better density and relatively inexpensive cost compared to DDR3.

Features :

- Fully Tested and Optimized for Stability and Performance
- Uses Original IC to Meet Strict Industrial Standards
- JEDEC Standard 1.2V (1.26V~1.14V)
- Operating Environment : Standard 0°C to 85°C / Wide Temp. -40°C to 85°C
- Optional Anti-Sulfuration Protection
- Optional Conformal Coating Protection
- RoHS Compliance; CE/FCC Certification

Module Type	Memory Tech.	Speed	Density	Voltage	Pin Count	Std. Opr Temp	Ext. Opr Temp
UDIMM SODIMM	DDR4	3200 MT/s	4GB ~ 32GB	1.2v	288 Pins (U) 260 Pins (S)	0 ~ 85 c	-40 c ~ 85 °c

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