

## ATP DDR4 DRAM Solutions

Intense Performance for Intense Workloads



ATP's fourth-generation industrial DDR memory combines up to 3200 MT/s data transfer rate and a mere 1.2V power consumption to deliver faster performance at higher power savings over earlier DRAM technologies.

As the evolutionary transition from DDR3, DDR4 supports features and functions that are well-suited for increasing bandwidth capabilities to support the growth of online traffic.

DDR4-3200 MT/s is the newest generation of fast, performance-oriented DRAM modules optimized for the latest Intel® Xeon® Platinum, Gold, Silver and Bronze Scalable processors and 8th-generation Intel® Core™ i7/i5/i3 processors. The increased interface speed from 2400 MT/s to 3200 MT/s amplifies theoretical peak performance by 20% and gives a boost to the most critical computing applications in industries such as telecommunication infrastructures, networking storage systems, network-attached storage (NAS) servers, micro/cloud servers, and embedded systems like industrial PCs.

Technologies & Add-On Services	<b>зөµ"</b> <u>ЛЛЛЛЛ</u> З0µ" Golden Finger		Wide Temperature	Anti-Sulfur Resistors	Conformal Coating	PCB Chamfer
RDIMM	•	•			-	<b>A</b>
ECC UDIMM	•	•				
Non-ECC UDIMM	•	•				<b>A</b>
ECC SO-DIMM	•	•				
Non-ECC SO-DIMM	•	•				
Mini-RDIMM	•	•			-	-
Mini-UDIMM	•	•			_	_

▲: Optional

## Specifications

DDR4							
DIMM Type	RDIMM	ECC UDIMM	Non-ECC UDIMM	ECC SO-DIMM	Non-ECC SO-DIMM	Mini-RDIMM	Mini-UDIMM
Density	4 GB to 128 GB	4 GB to 32 GB				4 GB to 16 GB	
Speed up to (MT/s)	3200				2400		
PCB Height*	Low profile / VLP / ULP			Low profile		Low profile / VLP / ULP	
Operating Temperature 0°C to 85°C / -40°C to 85°C							

\* VLP: 0.74", ULP: below 0.74"

Hot Items Ordering Information							
SPEED	SIZE	CHIP	HEIGHT	Ranks	P/N		
Unb/Non ECC SO-DIMM DDR4-3200	4 GB	512x16	1.18"	1	A4G04QC6BNWEMO		
	8 GB	1Gx16	1,18"	1	A4G08QC6BVWEMO		
	16 GB	2GX8	1.18"	1	A4G16QA8BVWEMO		
	32 GB	2GX8	1,18"	2	A4G32QE8BVWEMO		
Unb/Non ECC SO-DIMM DDR4-2666	4 GB	512x16	1,18"	1	A4G04QC6BNTDMO		
	8 GB	1Gx16	1,18"	1	A4G08QC6BVTDMO		
	16 GB	2GX8	1.18"	1	A4G16QA8BVTDMO		
	32 GB	2GX8	1,18"	2	A4G32QE8BVTDMO		

Product spec and its related information are subject to change without advance notice. Please refer to <a href="https://www.atpinc.com">www.atpinc.com</a> for latest information

v1,0 202201

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