



DDR4

The Global Leader in Specialized Storage and Memory Solutions



KEY FEATURES

- Data transfer rates up to 3,200 MT/s for high memory bandwidth
- Available operating temperatures: 0°C to 85°C or -40°C to 85°C
- Form factors: RDIMM, ECC and Non-ECC SO-DIMM, UDIMM, Mini-DIMM
- Supports Very Low Profile (VLP) and Ultra Low Profile (ULP) configurations
- Customization options*: thicker golden finger, anti-sulfur protection, PCB chamfer, SPD write protect available upon request

* May vary by product and project support

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	30μ" Golden Finger	ATP TDBI	Wide Temperature	Anti-Sulfur Resistors	Conformal Coating	PCB Chamfer
RDIMM	●	●	▲	▲	-	▲
ECC UDIMM	●	●	▲	▲	▲	▲
Non-ECC UDIMM	▲	●	▲	▲	▲	▲
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	2 GB to 32 GB	4 GB to 32 GB	2 GB to 32 GB	4 GB to 16 GB	4 GB to 16 GB
Speed up to (MT/s)			3200			2400	
PCB Height*	Low profile / VLP / ULP			Low profile		Low profile / VLP	VLP
Operating Temperature	0°C to 85°C / -40°C to 85°C						

* VLP: 0.74", ULP: below 0.74"



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Product spec and its related information are subject to change without advance notice.

Please refer to www.atpinc.com for latest information

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