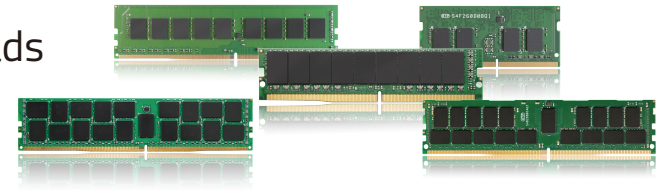
ATP DDR4 DRAM Solutions

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 2666 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.

Key Features

- Density: 2 GB to 128 GB
- Increased performance and bandwidth (up to 3200 MT/s)
- Decreased voltage for better power consumption
- Provides better reliability, availability and serviceability (RAS) and improves data integrity

Applications

- Networking systems
- Telecommunication
- Gaming
- Healthcare
- Industrial PCs
- Micro servers
- Cloud servers



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	3200	3200	3200	3200	2400	2400
PCB Height*	Low Profile	Low profile / VLP / ULP	Low profile / VLP / ULP	Low Profile	Low Profile	Low profile / VLP / ULP	Low profile / VLP / ULP
Operating Temperature	0°C to 85°C / -40°C to 95°C	0°C to 85°C / -40°C to 95°C	0°C to 85°C / -40°C to 95°C	0°C to 85°C / -40°C to 95°C	0°C to 85°C / -40°C to 95°C	0°C to 85°C / -40°C to 95°C	0°C to 85°C / -40°C to 95°C

* VLP: 0.74", ULP: below 0.74"

To learn more about this product, contact your ATP Representative.

ATP Global Footprint

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