



# 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"



## ATP Global Footprint

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

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