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.

Specifications

<table>
<thead>
<tr>
<th>Category</th>
<th>LRDIMM / RDIMM / UDIMM / UDIMM ECC / SO-RDIMM / SO-DIMM / SO-DIMM ECC / Mini-RDIMM / Mini-UDIMM ECC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed (MT/s)</td>
<td>3200 / 2933 / 2666 / 2400 / 2133</td>
</tr>
<tr>
<td>PCB Height</td>
<td>Low Profile / Very Low Profile (VLP) options (VLP: 0.74” height) / Ultra Low Profile (ULP) options (ULP: 0.7”~0.72” height)</td>
</tr>
<tr>
<td>Density</td>
<td>2 GB to 128 GB</td>
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</tbody>
</table>

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

ATP Global Footprint

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