Transcend's DDR5 DRAM modules operate at a nominal voltage of only 1.1V, offering higher energy efficiency and exceptional clock speeds to cater to the demands of the embedded industry. Power management integrated circuits (PMIC) provides better signal integrity and more stable power. All components are of the highest quality, having been sourced directly from the world's first-tier supplier of DRAM chips and stringently tested for unparalleled compatibility, reliability, and performance.

Features

- 1.1V low power supply
- Power management IC (PMIC), high energy efficiency
- On-die ECC
- Burst Length: 16, 32
- 16 bit pre-fetch
- Multi-Purpose Command (MPC)
- Decision Feedback Equalization (DFE)
- SPD Hub with Thermal Sensor
- 100% tested for stability, compatibility and performance
- Limited Lifetime Warranty

Advanced Technologies

- Anti-Sulfur Technology
- Gold Finger
# DDR5 DIMMs

## Module Type
<table>
<thead>
<tr>
<th>Capacity</th>
<th>Component Composition</th>
<th>Rank x Org.</th>
<th>Long-DIMM</th>
<th>SO-DIMM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unbuffered</td>
<td>8GB</td>
<td>(1Gx16)x4</td>
<td>1Rx16</td>
<td>TS1GLA64V8G</td>
</tr>
<tr>
<td></td>
<td>16GB</td>
<td>(2Gx8)x8</td>
<td>1Rx8</td>
<td>TS2GLA64V8E</td>
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<tr>
<td></td>
<td>32GB</td>
<td>(2Gx8)x16</td>
<td>2Rx8</td>
<td>TS4GLA64V8E</td>
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<tr>
<td>ECC</td>
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<td>1Rx8</td>
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<tr>
<td></td>
<td>32GB</td>
<td>(2Gx8)x20</td>
<td>2Rx8</td>
<td>TS4GLA72V8E</td>
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<tr>
<td>Registered</td>
<td>16GB</td>
<td>(2Gx8)x10</td>
<td>1Rx8</td>
<td>TS2GAR80V8E</td>
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<tr>
<td></td>
<td>32GB</td>
<td>(2Gx8)x20</td>
<td>2Rx8</td>
<td>TS4GAR80V8E</td>
</tr>
</tbody>
</table>

**Ordering Information**

**DDR5-4800**

- **Capacity**: 8GB~32GB
- **Speed**: 4800 MT/s
- **Voltage**: 1.1V
- **Pin Count**: 288 pin
- **PCB Height**: 1.23 inches
- **PCB Gold Finger Thickness**: 30μ" (ECC & Registered)
- **Anti-Sulfuration**: Default (ECC & Registered)
- **Operating Temperature**: Standard Temperature: 0°C~ 85°C