



## Memory Modules

# DDR4

An economical memory upgrade option for most popular desktop and notebook models out there, Transcend's DDR4 DRAM modules are engineered with the finest chips available, at the same time stringently tested to make sure they deliver optimal speeds, endurance, reliability, and compatibility across platforms.



### For desktops and laptops

Transcend offers a comprehensive range of DDR4 standard long-DIMMs and compact SO-DIMMs to enhance memory bandwidth for desktops and laptops alike. All modules are tested across various motherboard platforms and operating systems with achieving maximum compatibility in mind.



### Unlock next-gen performance

DDR4 delivers far less response time and application loading time than its predecessors DDR3, DDR2, and DDR. It is higher in RAM density but lower in power consumption, having brought energy requirement further down to 1.2V, making it best suited for memory-intensive applications.



### Quality chips fully tested for reliability

Selected from only the finest, brand-name DRAM chips available, Transcend's memory modules undergo countless in-house stress tests and evaluations to ensure they deliver absolute quality and reliability.

# DDR4 Unbuffered DIMMs

| Module Type           | DDR4                                                                              |                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                       | Long-DIMM                                                                         | SO-DIMM                                                                             |
| Product Image         |  |  |
| Standard              | JEDEC                                                                             |                                                                                     |
| Speed                 | 3200 / 2666 Mbps                                                                  |                                                                                     |
| Capacity              | 4GB~32GB                                                                          |                                                                                     |
| Voltage               | 1.2V                                                                              |                                                                                     |
| Pin Count             | Long-DIMM: 288 pin                                                                | SO-DIMM: 260 pin                                                                    |
| PCB Height            | 1.23 inches                                                                       | 1.18 inches                                                                         |
| Operating Temperature | Standard Temperature: 0°C ~ 85°C                                                  |                                                                                     |

## Ordering Information

### DDR4-3200 Long-DIMM

| Capacity | Component Composition | Rank x Org. | Branded | JetRam        |
|----------|-----------------------|-------------|---------|---------------|
| 8GB      | 1Gx8                  | 1Rx8        | -       | JM3200HLB-8G  |
| 16GB     | 2Gx8                  | 1Rx8        | -       | JM3200HLE-16G |
| 32GB     | 2Gx8                  | 2Rx8        | -       | JM3200HLE-32G |

### DDR4-3200 SO-DIMM

| Capacity | Component Composition | Rank x Org. | Branded | JetRam        |
|----------|-----------------------|-------------|---------|---------------|
| 8GB      | 1Gx8                  | 1Rx8        | -       | JM3200HSB-8G  |
| 16GB     | 2Gx8                  | 1Rx8        | -       | JM3200HSE-16G |
| 32GB     | 2Gx8                  | 2Rx8        | -       | JM3200HSE-32G |

### DDR4-2666 Long-DIMM

| Capacity | Component Composition | Rank x Org. | Branded       | JetRam        |
|----------|-----------------------|-------------|---------------|---------------|
| 4GB      | 512Mx8                | 1Rx8        | TS2666HLH-4G  | -             |
| 4GB      | 512Mx16               | 1Rx16       | -             | JM2666HLD-4G  |
| 8GB      | 1Gx8                  | 1Rx8        | TS2666HLB-8G  | JM2666HLB-8G  |
| 8GB      | 1Gx16                 | 1Rx16       | -             | JM2666HLG-8G  |
| 16GB     | 1Gx8                  | 2Rx8        | TS2666HLB-16G | JM2666HLB-16G |
| 16GB     | 2Gx8                  | 1Rx8        | TS2666HLE-16G | JM2666HLE-16G |
| 32GB     | 2Gx8                  | 2Rx8        | TS2666HLE-32G | JM2666HLE-32G |

Transcend's JetRam memory modules are manufactured with true ETT grade, brand-name DRAM chips that have passed Transcend's strict screening process and rigorous environmental testing.

**DDR4-2666 SO-DIMM**

| Capacity | Component Composition | Rank x Org. | Branded       | JetRam        |
|----------|-----------------------|-------------|---------------|---------------|
| 4GB      | 512Mx8                | 1Rx8        | TS2666HSH-4G  | -             |
| 4GB      | 512Mx16               | 1Rx16       | -             | JM2666HSD-4G  |
| 8GB      | 1Gx8                  | 1Rx8        | TS2666HSB-8G  | JM2666HSB-8G  |
| 8GB      | 1Gx16                 | 1Rx16       | -             | JM2666HSG-8G  |
| 16GB     | 1Gx8                  | 2Rx8        | TS2666HSB-16G | JM2666HSB-16G |
| 16GB     | 2Gx8                  | 1Rx8        | TS2666HSE-16G | JM2666HSE-16G |
| 32GB     | 2Gx8                  | 2Rx8        | TS2666HSE-32G | JM2666HSE-32G |

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