

GOODRAM RDIMM DDR5 registered modules are manufactured from major grade memory chips – the highest quality memory chips available on the market. Their most important features are:

- **The register** – an additional chip that provides communication between the module and the memory controller. Thanks to this, RDIMM memories are characterized by high stability in multi-module systems, which in turn makes it possible to place a greater number of modules in a single motherboard (the register offloads the operation of the memory controller).
- **ECC (Error Correction Code)** – an algorithm that detects and corrects errors in the memory module. Thanks to this technology, ECC memory provides greater stability of the computer system than in the case of using ordinary RAM memory.
- **Demanding tests** – DRAMs for server or industrial applications are tested at the temperature of 80°C or 95°C for 2 to 24 hours – depending on the product specifications. During the test, hundreds of terabytes of data are written onto and verified in the DRAM memory. This kind of test makes it possible to detect almost all defects located in the interface or memory cell array.

Specifications

- **Module capacity:** 16 – 128 GB
- **Frequency:** 4800 MT/s, 5600 MT/s, 6400 MT/s
- **Data bus width:** 72
- **Memory chip organization:**, 2Gx8, 3Gx8 4Gx4 or 6Gx4
- **No. of components:** 10, 20, 40
- **No. of ranks:** 1, 2 or 4
- **Timings:** CL40, CL46, CL52
- **ECC:** YES
- **PIN:** 288 PIN
- **Supply voltage:** 1.1 V
- **Registered:** YES

Logistics Data

RDIMM DDR5 4800MHz

| Product | Capacity | Organization | Type | Data Rate | CL | Chip Density |
|--------------------|----------|--------------|------------|-----------|------|--------------|
| W-MEM4800R5S816GB | 16 GB | 1R x 8 | RDIMM DDR5 | 4800 MHz | CL40 | 2Gb |
| W-MEM4800R5S432GB | 32 GB | 1R x 4 | RDIMM DDR5 | 4800 MHz | CL40 | 4Gb |
| W-MEM4800R5D832GB | 32 GB | 2R x 8 | RDIMM DDR5 | 4800 MHz | CL40 | 2Gb |
| W-MEM4800R5D464GB | 64 GB | 2R x 4 | RDIMM DDR5 | 4800 MHz | CL40 | 4Gb |
| W-MEM4800R5Q4128GB | 128 GB | 4R x 4 | RDIMM DDR5 | 4800 MHz | CL40 | 8Gb |
| W-MEM4800R5O4256GB | 256 GB | 8R x 4 | RDIMM DDR5 | 4800 MHz | CL40 | 6Gb |

RDIMM DDR5 5600MHz

| Product | Capacity | Organization | Type | Data Rate | CL | Chip Density |
|--------------------|----------|--------------|------------|-----------|------|--------------|
| W-MEM5600R5S816GB | 16 GB | 1R x 8 | RDIMM DDR5 | 5600 MHz | CL46 | 2Gb |
| W-MEM5600R5S432GB | 32 GB | 1R x 4 | RDIMM DDR5 | 5600 MHz | CL46 | 4Gb |
| W-MEM5600R5D832GB | 32 GB | 2R x 8 | RDIMM DDR5 | 5600 MHz | CL46 | 2Gb |
| W-MEM5600R5D464GB | 64 GB | 2R x 4 | RDIMM DDR5 | 5600 MHz | CL46 | 4Gb |
| W-MEM5600R5D4128GB | 128 GB | 2R x 4 | RDIMM DDR5 | 5600 MHz | CL46 | 8Gb |
| W-MEM5600R5S824GB | 24 GB | 1R x 8 | RDIMM DDR5 | 5600 MHz | CL46 | 3Gb |
| W-MEM5600R5S448GB | 48 GB | 1R x 4 | RDIMM DDR5 | 5600 MHz | CL46 | 6Gb |
| W-MEM5600R5D848GB | 48 GB | 2R x 8 | RDIMM DDR5 | 5600 MHz | CL46 | 3Gb |
| W-MEM5600R5D496GB | 96 GB | 2R x 4 | RDIMM DDR5 | 5600 MHz | CL46 | 6Gb |

RDIMM DDR5 6400MHz

| Product | Capacity | Organization | Type | Data Rate | CL | Chip Density |
|--------------------|----------|--------------|------------|-----------|------|--------------|
| W-MEM6400R5D496GB | 96 GB | 2R x 4 | RDIMM DDR5 | 6400 MHz | CL52 | 6Gb |
| W-MEM6400R5Q4256GB | 256 GB | 4R x 4 | RDIMM DDR5 | 6400 MHz | CL52 | 6Gb |
| W-MEM6400R5D4128GB | 128 GB | 2R x 4 | RDIMM DDR5 | 6400 MHz | CL52 | 8Gb |
| W-MEM6400R5S816GB | 16 GB | 1R x 8 | RDIMM DDR5 | 6400 MHz | CL52 | 2Gb |
| W-MEM6400R5D464GB | 64 GB | 2R x 4 | RDIMM DDR5 | 6400 MHz | CL52 | 4Gb |
| W-MEM6400R5S824GB | 24 GB | 1R x 8 | RDIMM DDR5 | 6400 MHz | CL52 | 3Gb |
| W-MEM6400R5S432GB | 32 GB | 1R x 4 | RDIMM DDR5 | 6400 MHz | CL52 | 4Gb |
| W-MEM6400R5D832GB | 32 GB | 2R x 8 | RDIMM DDR5 | 6400 MHz | CL52 | 2Gb |
| W-MEM6400R5S448GB | 48 GB | 1R x 4 | RDIMM DDR5 | 6400 MHz | CL52 | 6Gb |
| W-MEM6400R5D848GB | 48 GB | 2R x 8 | RDIMM DDR5 | 6400 MHz | CL52 | 3Gb |