

## RDIMM DDR4

### REGISTERED DRAM MEMORY

#### Main features

High-speed DDR4 technology  
Capacity up to 128 GB  
Frequency up to 3200 MHz  
Lifetime Warranty



GOODRAM RDIMM DDR4 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 a test makes it possible to detect almost all defects located in the interface or memory cell array.

#### Specifications

Module capacity	8 – 128 GB
Frequency	2666 MHz, 2933MHz, 3200 MHz
Data bus width	72
Memory chip organization	1024x8, 2048x4, 4096x4 or 8192x4
No. of components	9, 18, 36
No. of ranks	1, 2, 4 or 8
Timings	CL19, CL21, CL22
ECC	YES
PIN	288 PIN
Supply voltage	1,2 V
Registered	YES

**Logistics data**

Product	Capacity	Organization	Type	Frequency	CL	EAN
W-MEM3200R4S88G	8 GB	1024x8	RDIMM DDR4	PC4-25600R (3200MHz)	22	5908267962398
W-MEM3200R4S416G	16 GB	2048x4	RDIMM DDR4	PC4-25600R (3200MHz)	22	5908267961629
W-MEM3200R4D432G	32 GB	2048x4	RDIMM DDR4	PC4-25600R (3200MHz)	22	5908267942659
W-MEM3200R4D464G	64 GB	4096x4	RDIMM DDR4	PC4-25600R (3200MHz)	22	5908267962169
W-MEM3200R4Q4128G	128 GB	8192x4	RDIMM DDR4	PC4-25600R (3200MHz)	22	5908267962176
W-MEM2933R4S88G	8 GB	1024x8	RDIMM DDR4	PC4-23400R (2933MHz)	21	5908267942666
W-MEM2933R4S416G	16 GB	2048x4	RDIMM DDR4	PC4-23400R (2933MHz)	21	5908267961476
W-MEM2933R4D432G	32 GB	2048x4	RDIMM DDR4	PC4-23400R (2933MHz)	21	5908267942680
W-MEM2933R4D464G	64 GB	4096x4	RDIMM DDR4	PC4-23400R (2933MHz)	21	5908267960349
W-MEM2933R4Q4128G	128 GB	8192x4	RDIMM DDR4	PC4-23400R (2933MHz)	21	5908267962404
W-MEM2666R4S88G	8GB	1024x8	RDIMM DDR4	PC4-21300R (2666MHz)	19	5908267941867
W-MEM2666R4S416G	16 GB	2048x4	RDIMM DDR4	PC4-21300R (2666MHz)	19	5908267942819
W-MEM2666R4D432G	32 GB	2048x4	RDIMM DDR4	PC4-21300R (2666MHz)	19	5908267909690
W-MEM2666R4D464G	64 GB	4096x4	RDIMM DDR4	PC4-21300R (2666MHz)	19	5908267962145
W-MEM2666R4Q4128G	128 GB	8192x4	RDIMM DDR4	PC4-21300R (2666MHz)	19	5908267962152