

# DIMM DDR4

## DRAM MEMORY

### Main features

Efficient DDR4 technology  
 Capacity up to 32 GB  
 Up to 3200 MHz frequency  
 Lifetime warranty



Compared to the older solutions, DDR4 modules are distinguished by its supply voltage of 1.2V, that makes it possible to reduce the running costs and energy by up to 40%. GOODRAM DDR4 memory modules have been designed for the most demanding users who expect the highest performance and stability. New generation of memory includes both single and dual channel modules with frequency up to 3200 MHz.

### Parameters

Module density	4 – 32 GB
Frequency	2133 MHz, 2400 MHz, 2666 MHz, 3200MHz
Module data width	64
DRAM component organisation	512x8 or 1024x8
Number of DRAM components	8 or 16
Number of module ranks	1 or 2
Number of module sides	1 or 2
Timing	CL15 , CL17, CL19, CL22
ECC support	No
PIN count	288 PIN
Supply voltage	1,2 V
Registered	No

### Logistics data

Product	Cap.	Org.	Type	Clock	CL	EAN
GR2133D464L15/8G	8 GB	512x8	DIMM DDR4	PC4-17000 (2133MHz)	15	5908267910016
GR2133D464L15S/8G	8 GB	1024x8	DIMM DDR4	PC4-17000 (2133MHz)	15	5908267910221
GR2133D464L15/16G	16 GB	1024x8	DIMM DDR4	PC4-17000 (2133MHz)	15	5908267910214
GR2133D464L15S/8GDC	8 GB	512x8	DIMM DDR4 DUAL CHANNEL	PC4-17000 (2133MHz)	15	5908267910023



## essential

GR2133D464L15/16GDC	16 GB	512x8	DIMM DDR4 DUAL CHANNEL	PC4-17000 (2133MHz)	15	5908267910030
GR2133D464L15S/16GDC	16 GB	1024x8	DIMM DDR4 DUAL CHANNEL	PC4-17000 (2133MHz)	15	5908267910276
GR2400D464L17S/4G	4GB	512x8	DIMM DDR4	PC4-19200 (2400MHz)	17	5908267910405
GR2400D464L17S/8G	8GB	1024x8	DIMM DDR4	PC4-19200 (2400MHz)	17	5908267910757
GR2400D464L17S/8GDC	8GB	512x8	DIMM DDR4 DUAL CHANNEL	PC4-19200 (2400MHz)	17	5908267910429
GR2666D464L19S/4G	4GB	512x8	DIMM DDR4	PC4-21300 (2666MHz)	19	5908267940464
GR2666D464L19S/8G	8GB	1024x8	DIMM DDR4	PC4-21300 (2666MHz)	19	5908267940471
GR2666D464L19/16G	16GB	1024x8	DIMM DDR4	PC4-21300 (2666MHz)	19	5908267940488
GR2666D464L19S/8GDC	8GB	512x8	DIMM DDR4 DUAL CHANNEL	PC4-21300 (2666MHz)	19	5908267940495
GR2666D464L19S/16GDC	16GB	1024x8	DIMM DDR4 DUAL CHANNEL	PC4-21300 (2666MHz)	19	5908267940501
GR2666D464L19/32GDC	32GB	1024x8	DIMM DDR4 DUAL CHANNEL	PC4-21300 (2666MHz)	19	5908267940518
GR3200D464L22/16G	16GB	1024x8	DIMM DDR4	PC4-25600 (3200MHz)	22	5908267960431
GR3200D464L22S/8G	8GB	1024x8	DIMM DDR4	PC4-25600 (3200MHz)	22	5908267960424