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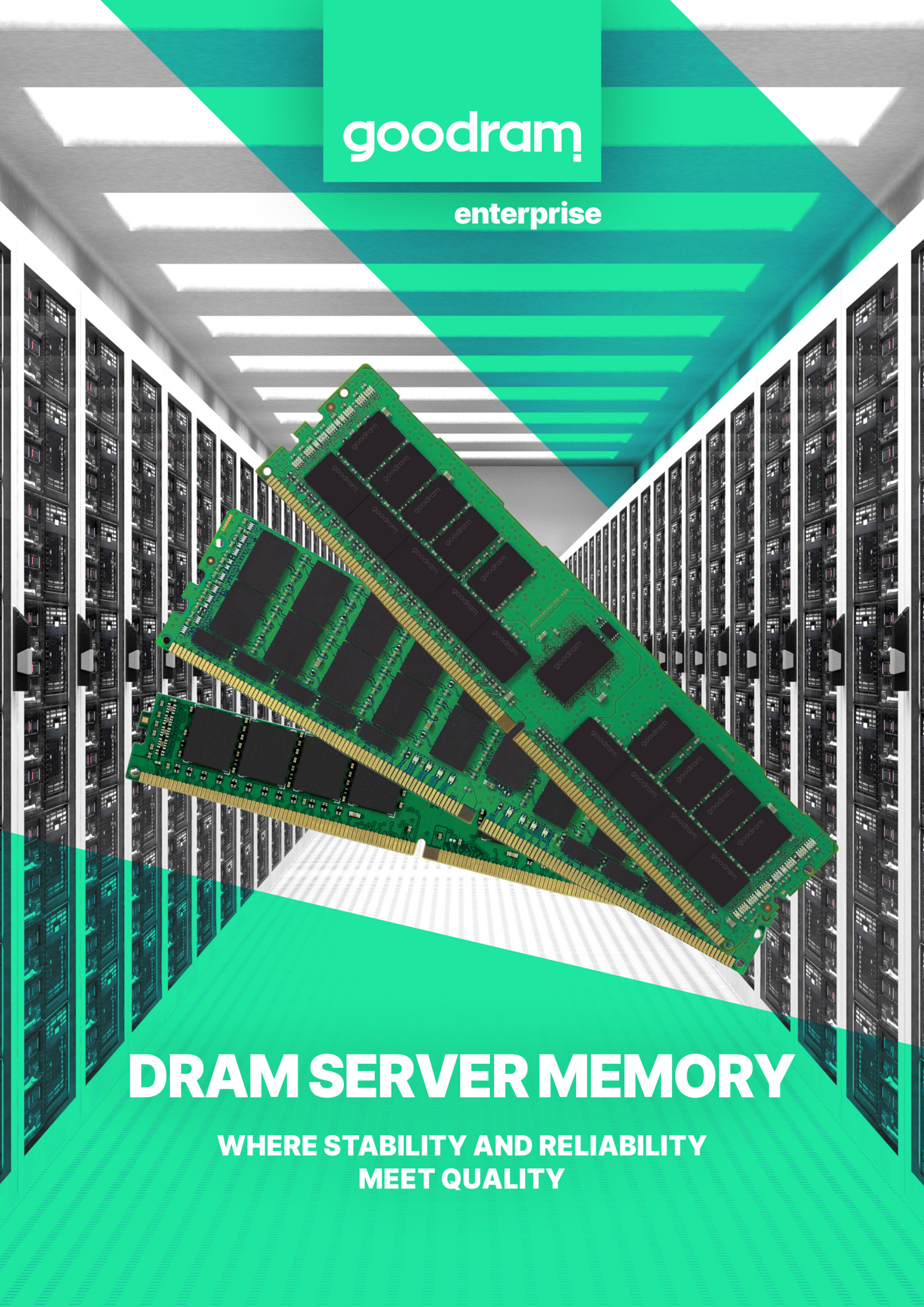

DRAM SERVER MEMORY

WHERE STABILITY AND RELIABILITY MEET QUALITY

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We are a Polish manufacturer of computer and Flash memory products. Our knowledge is supported by over 30 years of experience in distribution and sales, as well as almost 20 years of manufacturing memory products under our own Goodram brand logo.

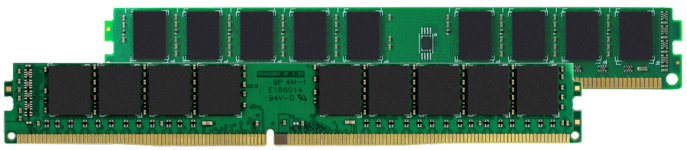
As a manufacturer, we provide the highest level of reliable server DRAM, designed to operate in systems where speed and stability are critical. We are proud that our memory is in use in servers and data centers around the world.

WHAT SETS US APART?

- Modern SMT production line and R&D department located in a factory in Poland.
- Over 400 testing platforms and our own dedicated testing software.
- Implementing AOI/SPI visual inspection procedures of the finished product and application of Burn-in tests, including thermal acceleration process.
- Upon customer's request - individual component selection, manufacturing and RAM validation process for the specific application of the memory.
- Full control over the production process, testing and validation. Full pre- and post-sales support.

DRAM DDR3/DDR4 EEC Memory Modules

During the process of reading or writing data, RAM is subject to errors due to interference in operation, which can lead to data loss or system instability. An additional safety measure, the Error Correction Code (ECC) function, has been introduced to detect and eliminate errors. The ECC function does not affect other module parameters. Thanks to this technology, ECC memory ensures greater stability of the computer system.



Capacities:	DDR3: 4, 8 GB DDR4: 4, 8, 16, 32GB
Type of memory:	DDR3 / DDR4 ECC
Frequency:	DDR3: 1333, 1600 MHz DDR4: 2133, 2400, 2666, 2933, 3200 MHz
Voltage:	DDR3: 1,5 V DDR3: 1,35 V DDR4: 1,2 V
CAS Latency:	CL7, CL9, CL11, CL13, CL15, CL17, CL19, CL21, CL22

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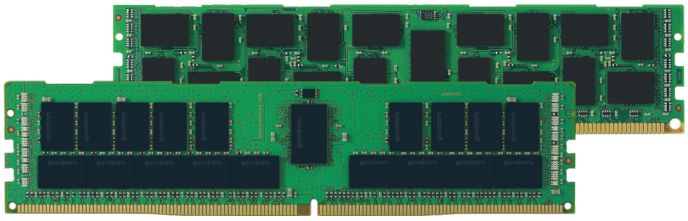
DRAM DDR3 / DDR4 RDIMM

RDIMM (Registered DIMM or ECC REG) memory is a memory module that has a built-in register in addition to the ECC mechanism. It serves to amplify signals on the system bus between the RAM module and the memory controller. The register function allows the system to operate stably with more modules than are usually used. RDIMMs differ from standard memory in design. They are designed to operate in systems where quantity and stability of operation is a key consideration. In most cases, ECC and ECC REG memories can be used in a single platform, but they cannot operate simultaneously.



Capacities: DDR3: 4, 8, 16, 32 GB
DDR4: 4, 8, 16, 32, 64, 128 GB

Type of memory: DDR3 / DDR4 RDIMM

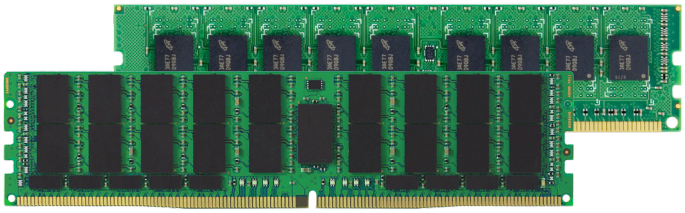
Frequency: DDR3: 1066, 1333, 1600, 1866 MHz
DDR4: 2133, 2400, 2666, 2933, 3200 MHz

Voltage: DDR3: 1,5 V
DDR3: 1,35 V
DDR4: 1,2 V

CAS Latency: CL7, CL9, CL11, CL13, CL15, CL17, CL19, CL21, CL22

DRAM DDR3 / DDR4 LRDIMM

Load Reduced DIMM (LRDIMM) modules are a type of memory that is an extension of FBDIMM modules. Furthermore, LRDIMM/RDIMM memories can be used in the same platforms. In addition to the register, LRDIMMs also have data buffers through which the data transfer takes place. The control is performed by the register.



Capacities: DDR3: 32 GB
DDR4: 64, 128, 256GB

Type of memory: DDR3 / DDR4 LRDIMM

Frequency: DDR3: 1066, 1333, 1600, 1866 MHz
DDR4: 2133, 2400, 2666, 2933, 3200 MHz

Voltage: DDR3: 1,5 V
DDR3: 1,35 V
DDR4: 1,2 V

CAS Latency: CL7, CL9, CL11, CL13, CL15, CL17, CL19, CL21, CL22

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	ECC DIMM memory modules	RDIMM memory modules	LRDIMM memory modules
Type of memory chips	Major-grade	Major-grade	Major-grade
Maximum capacity	32GB	128GB	256GB
Maximum speed	3200MHz	3200MHz	3200MHz
Error Correction Code	✓	✓	✓
Register		✓	✓

Find out what sets server memory modules apart from consumer solutions.

Increased reliability and stability of operation even in a 24/7 mode.

Financial savings on server and data center maintenance and equipment. Goodram server modules feature the highest level of performance and stability while maintaining a competitive product price.

Reduction of energy consumption by up to 20%

Increased efficiency of workstations.

Check out Goodram's range of server modules. If you need additional support, ask our specialists for help in choosing a solution that meets the needs of your application.

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PRODUCT INFORMATION

UDIMM ECC

UNBUFFERED ECC DRAM MEMORY

PRODUCT	CAP.	ORG.	TYPE	CLOCK	CL	EAN
W-MEM16E3D84GLV	4 GB	256x8	UDIMM ECC DDR3	PC3L-12800E (1600MHz)	11	5908267953747
W-MEM16E3D88GLV	8 GB	512x8	UDIMM ECC DDR3	PC3L-12800E (1600MHz)	11	5908267908228
W-MEM1333E3D84GLV	4 GB	258x8	UDIMM ECC DDR3	PC3L-10600E (1333MHz)	9	5908267908259
W-MEM1333E3D88G	8 GB	512x8	UDIMM ECC DDR3	PC3-10600E (1333MHz)	9	5908267953785
W-MEM3200E4D832G	32 GB	2048x8	UDIMM ECC DDR4	PC4-25600E (3200MHz)	22	5908267962121
W-MEM3200E4D816G	16 GB	1024x8	UDIMM ECC DDR4	PC4-25600E (3200MHz)	22	5908267962138
W-MEM3200E4S88G	8 GB	1024x8	UDIMM ECC DDR4	PC4-25600R (3200MHz)	22	5908267962442
W-MEM2666E4D832G	32 GB	2048x8	UDIMM ECC DDR4	PC4-21300E (2666MHz)	19	5908267961636
W-MEM2666E4D816G	16 GB	1024x8	UDIMM ECC DDR4	PC4-21300E (2666MHz)	19	5908267941911
W-MEM2666E4S88G	8 GB	1024x8	UDIMM ECC DDR4	PC4-21300E (2666MHz)	19	5908267941898

RDIMM

REGISTERED DRAM MEMORY

PRODUCT	CAP.	ORG.	TYPE	CLOCK	CL	EAN
W-MEM1333R3D44GLV	4 GB	256x4	RDIMM DDR3	PC3L-10600R (1333MHz)	9	5908267908020
W-MEM1333R3D48GLV	8 GB	512x4	RDIMM DDR3	PC3L-10600R (1333MHz)	9	5908267905012
W-MEM1333R3D416GLV	16 GB	1024x4	RDIMM DDR3	PC3L-10600R (1333MHz)	9	5908267905258
W-MEM1600R3D44GLV	4 GB	256x4	RDIMM DDR3	PC3L-12800R (1600MHz)	11	5908267962596
W-MEM1600R3D48GLV	8 GB	512x4	RDIMM DDR3	PC3L-12800R (1600MHz)	11	5908267905005
W-MEM1600R3D416GLV	16 GB	1024x4	RDIMM DDR3	PC3L-12800R (1600MHz)	11	5908267905234
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

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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