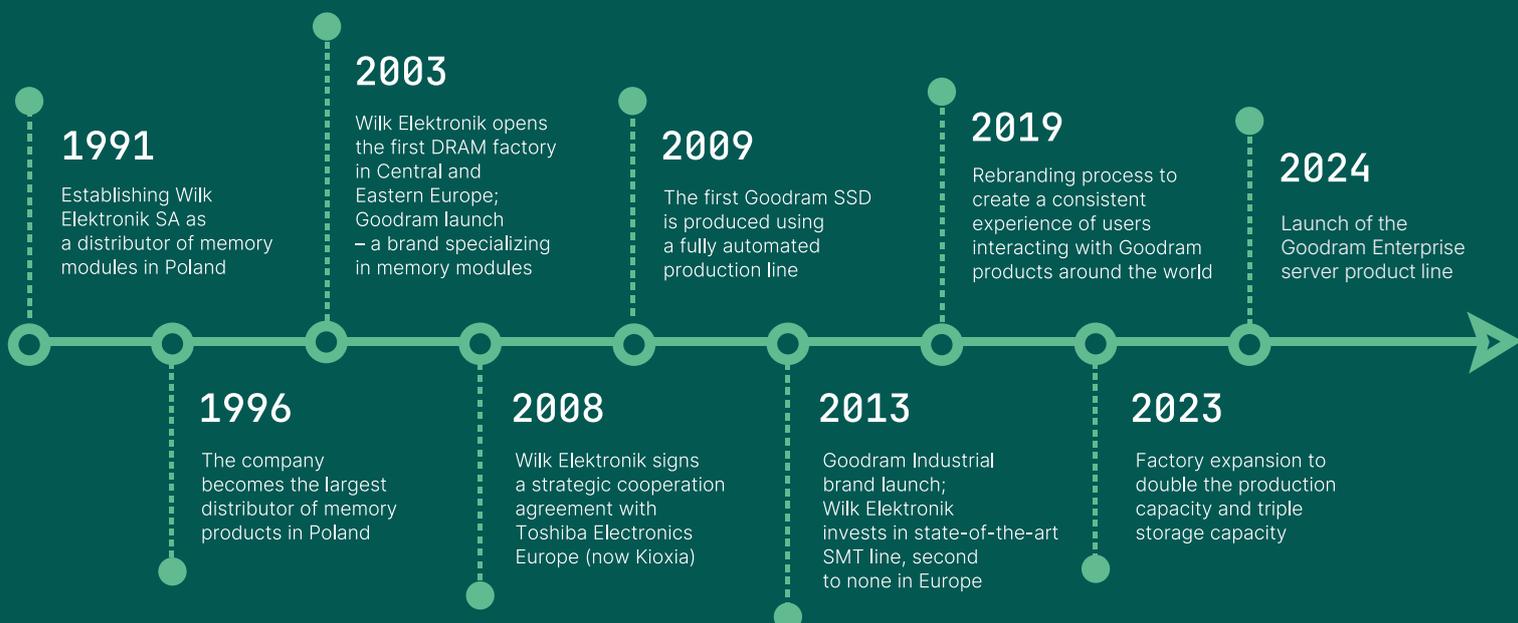# goodram enterprise

ENTERPRISE MEMORY SOLUTIONS

ABOUT THE COMPANY

Goodram Enterprise is a brand owned by Wilk Elektronik SA – a Polish memory manufacturer and distributor with over 35 years of experience in the memory business.

Known for its strict quality policy, flexibility and post-sales support, Wilk Elektronik SA is the only European DRAM and SSD manufacturer with its R&D department, state-of-the-art production site, test field and support team.

Goodram Enterprise stands for quality, reliability and support – we believe that the industrial and enterprise sectors require customized solutions for very specific needs. Designing our own testing procedures ensures that the modules and drives we produce are tailored to match our customers' needs perfectly. Add low MOQ, fixed BOM and long-term post-sales support to achieve the highest possible quality of customer service. It all boils down to guaranteeing our partners the highest reliability possible throughout the memory's lifetime.

1991
Establishing Wilk Elektronik SA as a distributor of memory modules in Poland

2003
Wilk Elektronik opens the first DRAM factory in Central and Eastern Europe; Goodram launch – a brand specializing in memory modules

2009
The first Goodram SSD is produced using a fully automated production line

2019
Rebranding process to create a consistent experience of users interacting with Goodram products around the world

2024
Launch of the Goodram Enterprise server product line

1996
The company becomes the largest distributor of memory products in Poland

2008
Wilk Elektronik signs a strategic cooperation agreement with Toshiba Electronics Europe (now Kioxia)

2013
Goodram Industrial brand launch; Wilk Elektronik invests in state-of-the-art SMT line, second to none in Europe

2023
Factory expansion to double the production capacity and triple storage capacity

HOW WE WORK

We carefully analyze your needs and do everything we can to provide you with the perfect product. Every case is a different story of satisfying very specific needs by providing a dedicated, customized and reliable solution. In our minds "solution" is not only the final module, drive or memory card your company uses. The solution is everything that happens before, throughout the ordering process and after the sale.

SERVICES

Every customer has different expectations. It is in our company's DNA to react to those dynamically changing variables.

We provide services that go far beyond a simple sales process:

- pre-sales support which includes meticulous interviews with the customer, giving us a greater understanding of our partner's needs
- complex customer service throughout the sales process, which means making sure we have a specific solution available for a long period of time
- post-sales support, such as diagnostics, consulting and training

QUALITY ASSURANCE

Everything we do is oriented towards providing products of the highest quality, which means complete reliability and satisfaction of the customer's requirements throughout the product's lifetime. It's the reason why we continuously invest in more advanced machinery, diagnostic equipment and people, who create our R&D and Quality Control departments. The more complicated cases and issues we solve throughout our design and production processes, the harder we believe this are the right course to take. Constant growth and evolution are key to our success.

FIND THE PERFECT ENTERPRISE SSD FOR YOUR NEEDS

The Goodram Enterprise SSD lineup is designed to deliver exceptional performance. These drives are developed through extensive benchmarking and workload analysis, with our advanced R&D ensuring a faster time-to-market and providing customers with a distinct competitive advantage.

Goodram Enterprise is introducing four distinct series of drives to meet diverse storage needs. These include the UltraSpeed Series optimized for high-speed applications; the DataCore Series tailored for reliability and scalability in enterprise environments; the BootSystem Series offering fast and efficient booting solutions; and the SATADrive Series providing cost-effective and reliable storage options. Goodram Enterprise delivers cutting-edge solutions, backed by industry-leading technology, to address the evolving demands of today's data storage landscape.

UltraSpeed Series

The UltraSpeed Series represents our top-tier enterprise SSDs, engineered for exceptional write performance and large capacity options. These drives are designed to deliver both scalability and operational efficiency while significantly lowering operating costs. With the latest form factors and a feature set that sets them apart, UltraSpeed offers tailored SSD performance with the convenience of an off-the-shelf purchase.

Product features

- Capacity up to 30.72 TB
- NVMe 1.4
- NVMe 2.0
- AES-XTS 256-bit Encryption
- TCG Opal 2.0
- E2EDPP
- NVMe-MI (Management Interface)
- SMBus
- Metadata Protection
- 64 - 128 Namespaces
- SECDED
- Power Loss Protection (PLP)
- Sanitize
- PCIe 5.0 1x4, 2x2
- Single and Dual Port
- Form Factor: U.2, U.3, E3.S

Learn more about UltraSpeed Series

DataCore Series

Modern data center architectures require a wide range of storage solutions tailored to specific needs for capacity, performance and features. Goodram Enterprise offers versatile SSD solutions that are fully compatible with both industry-standard and custom data center servers. These drives are designed to support the growing data demands of today's applications and users, while also minimizing power consumption, making them a highly efficient choice for data center environments.

Product features

- Capacity up to 122.88 TB
- NVMe 1.4
- NVMe 2.0
- E2EDPP
- AES-XTS 256-bit Encryption
- TCG Opal 2.0
- Data Integrity and Protection
- NVMe-MI (Management Interface)
- Metadata Protection
- 64 Namespaces
- 128 Namespaces
- SECDED
- Sanitize
- Power Loss Protection (PLP)
- Available formats: M.2 2280, M.2 22110, U.2, E1.S, E3.L

Learn more about DataCore Series

BootSystem Series

Server performance begins at the core, where applications and background tasks are managed. Goodram Enterprise boot drives are engineered for reliability and I/O consistency, delivering optimal performance even in high-demand rack scale environments.

Product features

- Capacity up to 960 GB
- AES-XTS 256-bit Encryption
- TCG Opal 2.0
- E2EDPP
- Power Loss Protection (PLP)
- SATA III 6 Gb/s
- PCIe Gen. 4.0 x4

Learn more about BootSystem Series

SATADrive Series

Optimize the power usage of your legacy servers with the high-performance, high-capacity SATADrive Series solutions. These products are specifically designed to enhance the lifespan and functionality of your current servers, eliminating the need for a full infrastructure upgrade.

Product features

`Capacity up to 15 TB` `AES-XTS 256-bit Encryption`

`TCG Opal 2.0` `E2EDPP` `SATA III 6 Gb/s`

`4th generation LDPC ECC`

Learn more about SATADrive Series

DRAM SERVER MEMORY

In addition to SSDs, our portfolio includes DRAM modules for server applications. High-quality components, rigorous testing and reliable performance make them the ideal choice for data centres, workstations and 24/7 systems.

ECC UDIMM/SODIMM

During the information exchange process, RAM is exposed to errors caused by operation interference, which can lead to loss of data or system instability. An additional safety feature, the Error Correction Code (ECC) function, has been implemented to detect and eliminate errors. ECC memory ensures greater stability of the computer system. It is the ideal solution for servers and workstations in small and medium businesses.

Product features

`ECC technology - detects and corrects errors` `VLP (Very Low Profile)`

`Manufactured using major-grade chips`

`Lifetime warranty + technical support`

Generation	DDR3	DDR4	DDR5
Capacity	8 GB	8, 16, 32 GB	16, 32 GB
Frequency	1333, 1600 MT/s	2666, 3200 MT/s	4800, 5600 MT/s
Voltage	1.35 V, 1.5 V	1.2 V	1.1 V
Latency	CL9, CL11	CL19, CL22	CL40, CL46

RDIMM

Registered DIMM or ECC REG is a memory module that has an integrated register in addition to the ECC mechanism. It is used 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 would normally be used. RDIMM memory is different in design from the standard one. It is dedicated for use in systems where reliability and stability of operation are key considerations. In most cases, ECC and ECC REG memory can be used in the same platform, but cannot operate simultaneously.

Product features

Built-in registers to offload the memory controller

Stable operation   Full ECC support

Certified for use in harsh environments

Generation	DDR3	DDR4	DDR5
Capacity	8, 16 GB	16, 32, 64, 128 GB	16, 32, 64, 128 GB
Frequency	1333, 1600 MT/s	2666, 3200 MT/s	4800, 5600 MT/s
Voltage	1.35 V, 1.5 V	1.2 V	1.1 V
Latency	CL9, CL11	CL19, CL22	CL40, CL46

LRDIMM

Load Reduced DIMM is the solution for the most demanding environments. Data buffers reduce the load on the bus, enabling the use of very high capacity modules with higher performance than RDIMMs. LRDIMMs are perfect for applications such as database servers, large analytical applications or virtualisation servers.

Product features

Register + data buffer   Higher scalability than RDIMM

Optimised for large memory configurations

Designed for high-end servers, HPC, cloud and AI

Generation	DDR4
Capacity	128, 256 GB
Frequency	2666, 3200 MT/s
Voltage	1.2 V
Latency	CL19, CL22

WHAT MAKES GOODRAM ENTERPRISE MEMORY DIFFERENT?

- Manufacturing in Europe with full quality control (SPI/AOI/Burn-in)
- Support for the most demanding server applications
- Over 500 test platforms and own validation environment
- Technical support and customised solutions

APPLICATIONS

- Enterprise-class servers
- Data centres
- Virtualisation infrastructure
- Workstations for graphic designers, engineers, AI/ML

goodram enterprise

We are a recognized, leading European manufacturer with 30 years of experience in the semiconductor industry. Proudly introducing its enterprise SSD product line, the brand is dedicated to meeting the growing demands of customers for high-performance storage solutions. The company stands out for its complementary product range, strategic location, and efficient logistics, ensuring timely and reliable deliveries. With a deep understanding of the local market and customer needs, Goodram Enterprise offers flexibility, rapid response times, and exceptional customer service standards, making it a trusted partner in the enterprise storage sector.

https://enterprise.goodram.com/en/