

A New Era in Everspin's Persistent Memory Solutions

MRAM has proven itself as the highest performing persistent memory available in the commercial memory industry, combining the best aspects of random access memory with non-volatility. In a world in which protection of mission critical data is paramount, MRAM has stepped in and filled a void that conventional memory types such as SRAM, DRAM and Flash have left open. Everspin's broad portfolio of MRAM fulfills the need for persistence, endurance, low latency.

Driven by pervasive applications such as data analytics, cloud computing, both terrestrial and extraterrestrial, artificial intelligence (AI), Edge AI including Industrial IoT, the market for persistent memory is projected to grow at a CAGR of 27.5% between 2020 and 2030¹. This growth calls for a cohesive product strategy to address the market requirements.

Since Everspin introduced our first family of magnetoresistive random-access memory (MRAM) persistent memories, we have been a pioneering force, pushing the boundaries of what's possible in data storage and processing. Today, we mark the next chapter in our journey with the launch of *PERSYST*: the new brand for our top-tier persistent memory families.

PERSYST encapsulates our dedication to delivering superior persistent memory solutions that empower our customers to thrive in an increasingly data-centric world. With *PERSYST*, we're ushering in a new era of unified focus on performance, efficiency, and scalability across a diverse range of applications.

Three Families, One Vision

PERSYST comprises three distinct families of persistent memory products, each engineered to address specific needs and challenges in data storage and processing.

EMxxLX: Versatility meets scalability with the EMxxLX family of persistent memory solutions. Designed to adapt to the evolving needs of embedded systems, EMxxLX is the memory of choice for Industrial Automation, Process Control, Aerospace, Gaming, Medical Automotive and Transportation, and the broader industrial IoT markets. It easily replaces products such as SRAM, BBSRAM, NVSRAM and NOR devices, and offers a comprehensive range of xSPI standard products tailored to meet a spectrum of requirements. EMxxLX delivers the flexibility and agility needed to address diverse workloads effectively.

Moreover, we have added some exciting new features to *PERSYST* EMxxLX that strengthen product performance, representing our commitment to delivering the strongest persistent memory solutions. These enhancements include:

- Extended temperature range, from -40°C to 105°C
- New 5x6mm DFN package, enabling 37% area savings

¹ <https://www.nextmsc.com/report/persistent-memory-market>

- Broad density range, from 4Mb to 128Mb

ST-DDR4: As a front-runner in DDR4 persistent memory technology, the ST-DDR4 family represents the perfect fusion of speed, capacity, and persistence. Combining the benefits of DDR4 memory with persistent storage capabilities, ST-DDR4 offers a compelling solution for applications that require a delicate balance of performance and data integrity. Whether it's accelerating data-intensive workloads, enhancing virtualization performance, or enabling faster recovery times, ST-DDR4 delivers unmatched levels of efficiency and reliability. With its ability to integrate into existing DDR4 memory architectures, the 1Gb ST-DDR4 has proven to be a key enabler of more robust all-flash data storage systems, providing the highest density point in stand alone MRAM.

Toggle: The Toggle family epitomizes the pinnacle of high-speed, high-endurance persistent memory solutions. Engineered for applications that demand lightning-fast data access and low latency, Toggle technology sets a new standard for performance and reliability in the industry. Everspin's original commercial MRAM product family continues to be a preferred choice in mission critical data protection applications, offering both Parallel and Serial, simple-to-use interfaces.

Empowering Innovation and Reliability in Data Storage Solutions

In today's data-driven landscape, the ability to reliably store, access, and protect critical data is paramount. Our selection of *PERSYST* persistent memory solutions empower your company to unlock new opportunities for innovation, efficiency, and growth.

With the launch of our *PERSYST* brand, Everspin remains committed to driving advancements in persistent memory technology. As we embark on this exciting new chapter, we invite you to join us in shaping the future of data storage and processing with our innovative, reliable, and scalable solutions from Everspin.

Stay tuned for more updates, insights, and advancements as we pursue expanded product offerings, enhanced capabilities, and industry collaborations targeting best-in-class persistent-memory solutions that solve your most challenging requirements.