

— DRAM

Global X Artificial Intelligence Memory Index ETF

Investing in the Data Technologies Powering AI

The AI investment story has largely centred on processing power. But processors are only one part of the equation. AI systems also require enormous volumes of data to be rapidly accessed, moved and stored.

As models become larger and applications more data intensive, the technologies supporting that flow of data are becoming increasingly important to the speed, efficiency and scalability of AI systems.

The Global X Artificial Intelligence Memory Index ETF (DRAM) is built to target memory, not just technology. It provides focused exposure to companies developing the memory and storage technologies that support the performance and advancement of AI.

AI NEEDS MORE THAN PROCESSING POWER

AI performance depends not only on computing power, but also on how quickly data can be moved, accessed and stored. AI workloads require enormous amounts of data to be continuously in motion. Memory and storage technologies keep that data close to processors and available when needed.



01. MOVE

Transfer data rapidly between processors and memory to keep AI workloads running at speed.



02. ACCESS

Make active data available the moment AI workloads need it, reducing bottlenecks.



03. STORE

Retain the datasets, models and outputs that AI systems generate and rely on.



Processing power may run AI, but memory and storage keep the data moving.

THE AI MEMORY AND STORAGE ECOSYSTEM

Memory and storage technologies work together to capture, move, store and deliver the data that powers artificial intelligence.

PROCESSOR-ADJACENT MEMORY

HBM (High-Bandwidth Memory)

Located close to advanced processors to deliver high-speed data throughput for demanding AI workloads.

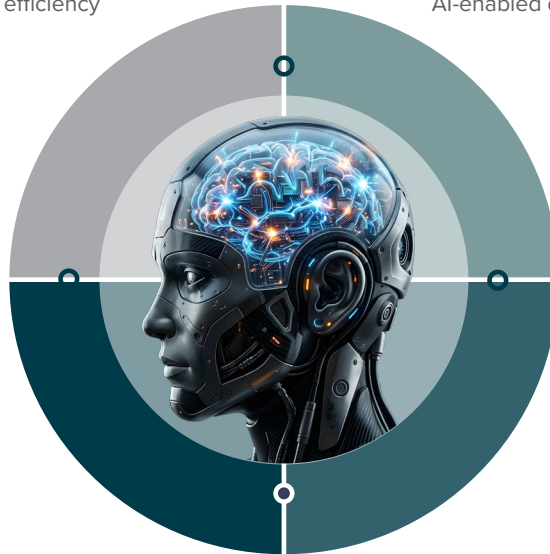
- Moves large volumes of data rapidly between processors and memory
- Supports AI training and inference
- Designed for high bandwidth and energy efficiency

SOLID-STATE STORAGE

NAND Flash & Solid-State Storage

Retains data when power is removed and underpins the solid-state drives used across modern computing.

- Stores training data, models, applications and outputs
- Supports fast read-and-write performance
- Used across data centres, cloud infrastructure and AI-enabled devices



WORKING MEMORY

DRAM (Dynamic Random Access Memory)

The active working memory that AI servers and devices use for fast, short-term data access.

- Temporarily holds data actively in use
- Provides the capacity and speed AI workloads require
- Memory requirements may increase as models and applications scale

CAPACITY & RETENTION

Enterprise & Long-Term Storage

Provides the capacity and durability required to store and manage large volumes of information over time.

- Supports backup, archival and data retention
- Enables large-scale retrieval and analytics
- Used across cloud, data-centre and enterprise environments



Together, these technologies form the infrastructure layer of AI, supporting how information is stored, accessed and processed.

AI'S NEXT BOTTLENECK: MEMORY AND STORAGE

AI system performance is constrained by its slowest component. As processors have become dramatically faster, the constraint has increasingly shifted to how quickly data can be stored, moved and accessed. However powerful the chip, it can only work as fast as memory can feed it. That dynamic places memory and storage at the centre of the AI buildout, and it is intensifying for several key reasons:

1

DATA IS GROWING FASTER THAN THE ABILITY TO HOLD IT

AI models are trained on ever-larger datasets and generate significant volumes of information through inference. The amount of data that must be retained and kept accessible is expanding faster than existing memory and storage capacity can comfortably absorb.

2

PROCESSORS CAN ONLY WORK AS FAST AS THEY ARE FED

Computing power has advanced faster than the ability to move data to it. When memory cannot keep pace, even the most advanced processors may sit idle, making data access a defining constraint on AI performance.

3

THE BUILDOUT IS COMPOUNDING THE PRESSURE

Investment in data centres, high-performance computing and AI-enabled devices is multiplying the demand for components that store, move and access data, while production capacity takes time to expand.

4

EASING THE BOTTLENECK REQUIRES SPECIALIZED TECHNOLOGY

Relieving the constraint is driving innovation in high-bandwidth memory, advanced DRAM, NAND flash and enterprise storage, purpose-built technologies designed to keep data flowing to increasingly demanding AI applications.

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As AI systems become more powerful, the technologies that supply them with data become increasingly important.

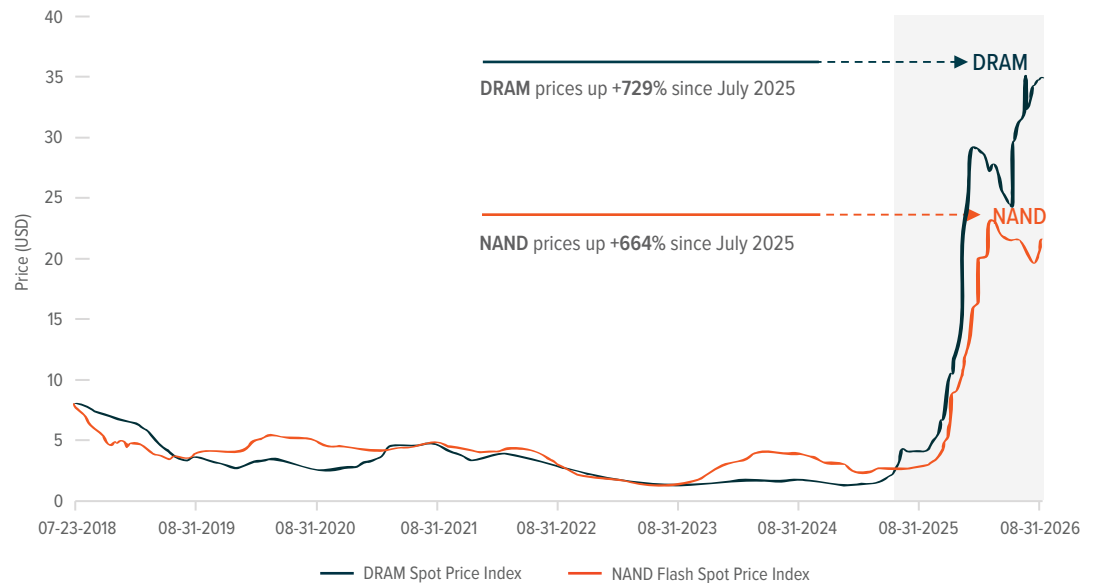
WHY NOW: AI DEMAND HAS REPRICED MEMORY

DRAM and NAND spot prices have risen sharply since mid-2025. The rapid expansion of AI training, inference and data-centre workloads has increased demand for memory and storage, while production capacity can take time to adjust. This tighter supply-demand environment may provide a more supportive pricing backdrop for companies generating meaningful revenues from memory and storage technologies.



Representative **DRAM** and **NAND** spot prices remained subdued for several years before rising sharply through 2025 and 2026.

MEMORY PRICES HAVE REPRICED SHARPLY



Source: Bloomberg as of August 31, 2026.

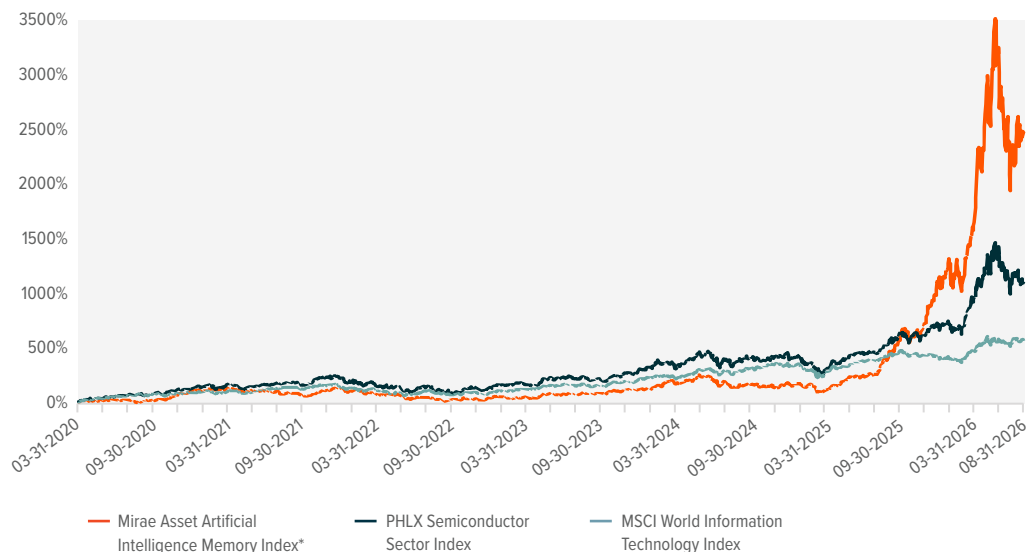
ISPPDR37 Index represents the spot price of DRAM Spot Price Index.

ISPPN512 Index represents the spot price of NAND Spot Price Index.

WHY IT MATTERS: MEMORY EQUITIES HAVE OUTPACED BROAD TECHNOLOGY

Much of the world's memory and storage production capacity sits with companies listed outside U.S. benchmarks, including leading manufacturers in South Korea, Japan and Taiwan. As a result, memory-focused companies are often underrepresented in broad technology, AI and semiconductor allocations. The Mirae Asset Artificial Intelligence Memory Index concentrates on companies generating meaningful revenues from memory and storage technologies, and its return profile has differed materially from broader technology benchmarks.

TOTAL RETURN



Source: Bloomberg as of August 31, 2026. Returns in CAD. *HYPOTHETICAL PERFORMANCE AND FOR ILLUSTRATIVE PURPOSES ONLY.

INDEX PERFORMANCE (%), IN CAD

Index Name	YTD	1-Year	3-Year	5-Year	Since Inception*
Mirae Asset Artificial Intelligence Memory Index	199.83	533.91	121.67	60.81	53.54
PHLX Semiconductor Sector Index	65.00	106.32	48.15	30.44	37.26
MSCI World Information Technology Index	25.02	36.09	31.44	20.15	26.25

*Common Inception March 31, 2020 – August 31, 2026. Bloomberg as of August 31, 2026. Returns in CAD.

The commencement date of the Mirae Asset Artificial Intelligence Memory Index (Index) was on June 26, 2026. Before the commencement date, all information regarding the index is backtested rather than actual performance. This is based on the index methodology in effect at the commencement date. Backtested performance reflects the application of the Index Methodology and the selection of constituents with the benefit of hindsight and knowledge of factors that may have positively influenced its performance. It cannot account for any risk that may affect the results and may be subject to survivorship bias. Actual returns may differ from backtested returns. Past performance does not guarantee future results. The backtest data has been created based on available data and imputations as accurately and diligently as possible. However, there may have been relevant assumptions made during the backtest period.

The performance of the indices is provided for informational purposes only and does not represent the performance of the Fund. The Fund seeks to replicate the performance of the index, but several factors may result in deviations between the Fund's performance and that of the index. These factors include, but are not limited to, tracking errors, the impact of fees and expenses, portfolio rebalancing, and differences in the timing of cash flows. Past performance of the index is not indicative of future results for the Fund. For more details on the Fund's investment objectives, fees, and risks, please refer to the Fund's prospectus.

FUND SNAPSHOT

FUND NAME

Global X Artificial Intelligence Memory Index ETF
DRAM

RISK RATING

HIGH

MANAGEMENT FEE

0.49%*

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[Inside
the Index](#)



[Fund
Holdings](#)

DRAM is designed for investors seeking targeted exposure to the memory and storage technologies that help AI systems access, move and retain data at scale.

INVESTMENT STRATEGY HIGHLIGHTS:

- Seeks to replicate the performance of the Mirae Asset Artificial Intelligence Memory Index
- Provides exposure to companies in two sub-themes: Memory Semiconductors and Storage

MEMORY SEMICONDUCTORS

Companies involved in designing and manufacturing semiconductor memory technologies, including volatile memory (e.g., DRAM), flash memory (e.g., NAND), and other specialized memory solutions that enable data processing, retention, and high-performance computing.



STORAGE

Companies engaged in production of data storage hardware, including storage drives, peripherals, and multi-type storage systems used to store, manage, and retrieve digital information across enterprise, cloud, and AI infrastructure environments.

- Selects companies based on absolute memory-related revenues and memory-related revenue as a percentage of total revenue
- Holds a maximum of 10 securities, drawn from companies listed in the U.S., Japan, South Korea, China, Hong Kong and Taiwan
- The weight of any individual security is capped at 25%.

WHY **DRAM** MAY FIT IN A PORTFOLIO:

1. Target A Distinct AI Layer

Provides focused exposure to memory semiconductor and storage companies supporting the growing data requirements of AI.

2. Express a focused supply-demand view

Provides targeted exposure for investors who believe growing AI-related memory demand and slower-to-expand supply may create long-term growth opportunities across the memory and storage ecosystem.

3. Complement Broad Tech Exposure

Adds exposure to memory semiconductor and storage companies that may be underrepresented within broad technology, AI or semiconductor allocations.

4. Pure Play

The index emphasizes companies with substantial memory-related revenues, helping create a more direct connection to the theme than a broad technology fund.

* Plus applicable Sales Tax

DISCLAIMERS

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Published September 22, 2026.

