



Silicon Motion Showcases Next-Generation Storage Solutions for Agentic AI Applications at FMS 2026

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Enabling High-Performance, Power-Efficient Storage Solutions from AI Factories to Physical AI

TAIPEI, Taiwan--(BUSINESS WIRE)--Aug. 3, 2026-- Silicon Motion Technology Corporation (NasdaqGS: SIMO) ("Silicon Motion"), a global leader in designing and marketing NAND flash controllers for solid-state storage devices, today announced it will showcase its latest storage innovations for AI Factory, Edge AI, and Physical AI applications at Future of Memory and Storage (FMS) 2026, taking place August 4 to 6 in Santa Clara, California, at Booth #315.

As AI evolves beyond large language model training toward Agentic AI, real-time inference has become increasingly dependent on fast, predictable data access. Emerging storage requirements for KV cache and Agentic AI applications demand storage solutions that maximize acceleration while maintaining low latency and consistent performance. Silicon Motion will showcase five major product lines addressing the evolving storage requirements across the three AI segments, supporting enterprise infrastructure, edge computing, embedded devices, and automotive platforms:

Data Center Controller for AI Factory Storage Applications

- **SM8366 MonTitan™ SSD Reference Design Kit for KV Cache Offload and Agentic AI Infrastructure:** MonTitan enterprise SSD development platform built on the SM8366 PCIe Gen5 controller, supporting U.2, E3.S, and E3.L form factors with both TLC and QLC NAND. It offers capacities ranging from 32TB and 64TB with TLC NAND to up to 256TB with QLC NAND, enabling deployment across a broad range of AI infrastructure architectures. Configurable over-provisioning of up to 28% supports endurance ratings of up to 3 drive writes per day (DWPD). Powered by Silicon Motion's patented PerformaShape™ QoS Engine, the platform delivers ultra-low latency and predictable QoS for AI inference and KV cache offload, helping accelerate next-generation Agentic AI infrastructure.
- **SM8466:** PCIe Gen6 enterprise SSD controller delivering up to 28 GB/s sequential throughput and 7M random IOPS, supporting enterprise SSD capacities beyond 512TB for next-generation AI infrastructure and data-intensive AI workloads.
- **SM8388:** PCIe Gen5 enterprise SSD controller featuring a single-controller architecture optimized for high-capacity enterprise SSDs, delivering a cost-efficient storage solution for hyperscale AI infrastructure and large-scale AI inference deployments.

Enterprise Boot Drive Solutions for AI Factory Applications

- **Enterprise PCIe NVMe Boot SSD Solutions:** Reliable, low-latency boot storage solutions optimized for enterprise servers, DPUs, networking equipment, and AI storage nodes, delivering enterprise-grade endurance, security, and long-term operational stability.
- **SM8008:** PCIe Gen5 enterprise controller, with OCP Boot Drive spec, delivering up to 14 GB/s performance at under 5W, designed for datacenter boot drives and power-efficient enterprise server racks.

Edge SSD Controllers for AI PCs and Edge AI Applications

- **SM2524XT:** PCIe Gen5 DRAM-less SSD controller delivering up to 14.5 GB/s sequential read performance and 2.8M IOPS random performance, optimized for AI inference and KV cache offloads.
- **SM2508:** PCIe Gen5 SSD controller delivering up to 14.5 GB/s read, 14.5 GB/s write, and 2.5M IOPS random performance for high-performance AI PCs and edge AI platforms.

Embedded UFS & eMMC Controllers for Mobile Devices and Edge AI Applications

- **SM2755:** UFS 4.1 controller delivering high bandwidth, ultra-low latency, and exceptional power efficiency for AI-enabled smartphones, wearable devices, and intelligent edge devices.
- **SM2738:** eMMC 5.1 controller optimized for AI-enabled embedded, industrial, and smart home applications with high reliability and low power consumption.

Ferri Solutions for Automotive and Physical AI Applications

Silicon Motion will also showcase its Ferri storage solutions for automotive and physical AI applications, featuring high-reliability embedded storage that complies with AEC-Q100 Grade 2/3, ISO 26262, ISO 21434, and ASPICE. Designed for software-defined vehicles, autonomous systems, drones, robotics and mission-critical edge computing, Ferri delivers functional safety, cybersecurity, and long-term reliability.

Visitors are invited to experience Silicon Motion's AI storage solutions for AI Factory, Edge AI, and Physical AI applications at Booth #315 during FMS

2026. Company representatives will also present the latest AI storage innovations during FMS keynotes and technical forums. For more information, please visit: <https://www.siliconmotion.com/events/2026FMS/>

About Silicon Motion:

Silicon Motion Technology Corporation (NasdaqGS: SIMO) is the global leader in supplying NAND flash controllers for solid-state storage devices. The company ships more SSD controllers than any other supplier worldwide for servers, PCs, and other edge devices, and is also the leading merchant provider of eMMC and UFS embedded storage controllers used in smartphones, IoT products, and automotive applications.

Silicon Motion also delivers customized, high-performance controller solutions for Enterprise SSDs, Enterprise boot drives, Edge SSDs, Embedded UFS & eMMC, and Ferri solutions for automotive. Its controllers and storage solutions are designed to power the world's most advanced AI Infrastructure, Edge AI, and Physical AI, combining high performance, low power, and proven reliability.

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