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MaxLinear Showcases Panther for AI Storage Efficiency and AI Inference Performance at FMS 2026

- *Live demonstrations and technology showcases highlight AI workload compression, OpenZFS acceleration, and peer-to-peer DMA for more efficient AI infrastructure*

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear, Inc. (NASDAQ: MXL), a leading provider of high-performance connectivity and data movement solutions, today announced it will showcase its Panther Storage Accelerator platform at Future of Memory and Storage (FMS) 2026, held August 4–6 in Santa Clara, California.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20260729150347/en/

MaxLinear Panther Storage Accelerator helps organizations scale AI infrastructure by increasing effective storage capacity and enabling support for more AI agents through hardware-accelerated data services.

As AI evolves from model-centric deployments to agentic AI architectures, infrastructure requirements are shifting from model performance to agent scalability. AI clusters are increasingly required to support millions of concurrent agents, driving exponential growth in memory capacity and bandwidth requirements. As agent populations grow, HBM and DDR resources become constrained, increasing memory pressure and reducing GPU and CPU efficiency. Panther addresses these challenges through hardware-accelerated compression, delivering up to a **3× compression ratio** on AI data. This increased efficiency can enable up to **2.2× greater effective KV cache capacity,** helping systems support up to **2.2× more AI agents** within existing infrastructure.

"As AI adoption accelerates, organizations are rethinking how they store, move, and manage data at scale," said Vikas Choudhary, Senior Vice President and General Manager of Connectivity and Storage at MaxLinear. *"Panther helps address these challenges by enabling more efficient use of storage and compute resources, allowing customers to increase effective storage capacity for AI data while improving overall infrastructure efficiency. We're excited to showcase these capabilities at FMS and demonstrate how Panther can help organizations scale next-generation AI workloads more efficiently."*

Panther combines hardware-accelerated compression, encryption, erasure coding, data integrity services, and high-speed data movement in a single accelerator platform. By offloading these data-intensive functions from host CPUs, Panther helps organizations increase effective storage capacity, improve infrastructure utilization, reduce power consumption, and accelerate AI and storage workloads while lowering overall infrastructure costs.

Panther Technology Showcases at FMS 2026

- **Live AI Workload Compression Demo** — See Panther perform hardware-accelerated compression and decompression on AI datasets, reducing CPU overhead while maintaining the throughput required for modern AI environments.
- **Live Peer-to-Peer DMA Demo** — Experience direct PCIe endpoint-to-endpoint data movement enabled by Panther's peer-to-peer DMA architecture, reducing host CPU involvement and memory bandwidth consumption.
- **OpenZFS Acceleration Showcase** — Learn how Panther integrates with OpenZFS through the ZIA and DPUSM frameworks to enhance storage performance and infrastructure efficiency.
- **SPDK Compression Offload Showcase** — Explore Panther integration with the SPDK framework to accelerate compression and optimize storage and AI data pipelines.

Built for AI Storage Infrastructure

Designed for AI and data-intensive workloads, Panther helps organizations maximize storage and compute resources while improving infrastructure efficiency. FMS showcases will highlight how Panther can enable **up to 2.5× greater effective storage capacity for AI data** while freeing CPU resources for higher-value workloads across enterprise, cloud, hyperscale, and high-performance computing environments.

Visit MaxLinear at FMS 2026

Attendees are invited to visit MaxLinear at **Booth #513** during Future of Memory and Storage 2026 to experience Panther through live demonstrations and technology showcases focused on AI data movement, compression acceleration, OpenZFS integration, and peer-to-peer DMA.

To learn more about Panther and how it helps optimize AI storage infrastructure, visit **MaxLinear Panther** or stop by the MaxLinear booth during the event.

About MaxLinear, Inc.

MaxLinear, Inc. (Nasdaq: MXL) is a leading provider of radio frequency (RF), analog, digital, and mixed-signal integrated circuits for access and connectivity, wired and wireless infrastructure, and industrial and multimarket applications. MaxLinear is headquartered in Carlsbad, California. For more information, please visit https://www.maxlinear.com/.

Cautionary Note About Forward-Looking Statements

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements include, among others, statements relating to MaxLinear's Panther Storage Accelerator platform and the functionality, performance and benefits of such product, statements about the potential market opportunity for MaxLinear's Panther Storage Accelerator platform; the potential growth of the AI market; and statements by MaxLinear's Senior Vice President and General Manager, Connectivity and Storage Business Unit. These forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause actual results to be materially different from any future results expressed or implied by the forward-looking statements and our future financial performance and operating results forecasts generally. Forward-looking statements are based on management's current, preliminary expectations and are subject to various risks and uncertainties. In particular, our future operating results are substantially dependent on our assumptions about market trends and conditions. Additional risks and uncertainties affecting our business, future operating results and financial condition include, without limitation; risks relating to: the development, testing, and commercial introduction of new products and product functionalities, including MaxLinear's Panther Storage Accelerator platform; risks related to the market opportunity for MaxLinear's Panther Storage Accelerator platform not developing or MaxLinear not being able to capture share of the market; the capabilities of our technology; our terminated merger with Silicon Motion and related arbitration and class action complaint and the risks related to potential payment of damages; the effect of intense and increasing competition; increased tariffs, export controls or imposition of additional trade barriers; impacts of global economic conditions; the cyclical nature of the semiconductor industry; a significant variance in our operating results and impact on volatility in our stock price, and our ability to sustain our current level of revenue, which has previously declined, and/or manage future growth effectively, and the impact of excess inventory in the channel on our customers' expected demand for certain of our products and on our revenue; escalating trade wars, military conflicts and other geopolitical and economic tensions among the countries in which we conduct business; international geopolitical and military conflicts; our ability to obtain or retain government authorization to export certain of our products or technology; the loss of, or a significant reduction in orders from major customers; legal proceedings or potential violations of regulations; information technology failures; a decrease in the average selling prices of our products; failure to penetrate new applications and markets; development delays and consolidation trends in our industry; inability to make substantial and productive research and development investments; delays or expenses caused by undetected defects or bugs in our products; substantial quarterly and annual fluctuations in our revenue and operating results; failure to timely develop and introduce new or enhanced products; order and shipment uncertainties and differences between our estimates of customer demand and product mix and our actual results; failure to accurately predict our future revenue and appropriately budget expenses; lengthy and expensive customer qualification processes; customer product plan cancellations; failure to maintain compliance with government regulations; failure to attract and retain qualified personnel; any adverse impact of rising interest rates on us, our customers, and our distributors and related demand; risks related to compliance with privacy, data protection and cybersecurity laws and regulations; risks related to conforming our products to industry standards; risks related to business acquisitions and investments; claims of intellectual property infringement; our ability to protect our intellectual property; security vulnerabilities of our products; use of open source software in our products; failure to manage our relationships with, or negative impacts from, third parties; and future decisions relating to our stock repurchase program.

In addition to these risks and uncertainties, investors should review the risks and uncertainties contained in our filings with the Securities and Exchange Commission, including our Current Reports on Form 8-K, as well as the information to be set forth under the caption "Risk Factors" in MaxLinear's Quarterly Report on Form 10-Q for the quarter ended March 31, 2026. All forward-looking statements are based on the estimates, projections and assumptions of management as of the date of this press release, and MaxLinear is under no obligation (and expressly disclaims any such obligation) to update or revise any forward-looking statements whether as a result of new information, future events, or otherwise.

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