

March 27, 2025



## MaxLinear Showcases Full Suite of DSP Solutions for High-Speed AI/ML Datacenters at OFC 2025

- *Our latest advancements in DSP technology address power demands and drive performance in rapidly growing AI/ML space*

CARLSBAD, Calif.--(BUSINESS WIRE)-- [MaxLinear, Inc.](https://www.maxlinear.com) (Nasdaq: MXL), a leading provider of high-speed interconnect ICs enabling data center, metro, and wireless transport networks, is excited to showcase its next-generation 1.6T Rushmore and 400G/800G Keystone PAM4 DSPs at OFC 2025. Rushmore is an advanced product that continues to push the boundaries of performance, power efficiency, and scalability. Co-optimized with soon-to-be-released Washington 1.6T TIA, the Rushmore and Washington combination is expected to offer the lowest power 1.6T solution on the market. And together with our Keystone/Keystone MM DSPs and Topenga TIA products, MaxLinear provides a comprehensive suite of solutions for 400G, 800G and 1.6T high-speed connectivity applications.

This press release features multimedia. View the full release here:  
<https://www.businesswire.com/news/home/20250327359439/en/>

A blue rectangular graphic with white and yellow text. At the top, it says "Visit Us to Learn About the Industry's Lowest Power PAM4 DSP Family 400G, 800G, and 1.6T". Below this, it lists the event details: "April 1-3, 2025", "Moscone Center", "San Francisco, CA", and "North Hall Booth 5961". In the center, there is a 3D rendering of a square integrated circuit chip with "MXL" and "1.6T DSP" printed on it. At the bottom left is the MaxLinear logo, and at the bottom right is the "OFC" logo in large white letters.

Visit us at OFC to Learn About the Industry's Lowest Power PAM4 DSP Family of 400G, 800G, 1.6T. Booth 5961

"With the demand for high-performance computing and interconnect at an all-time high, we are committed to driving innovation that not only delivers higher speeds but also reduces energy consumption," said Thomas Liljeberg, Sr. Director of Product Management and Strategy, Intel Integrated Photonics Solutions (IPS). "The launch of the

Rushmore IC is another leap forward for MaxLinear and the efforts towards next-generation solutions for AI/ML and data center infrastructure."

Additionally, the Keystone and Topanga family 400G and 800G DSPs and TIAs continue to ship in high volume, being deployed in datacenters worldwide in single-mode and multi-mode variants. The combination of excellent BER performance and ultra-low power consumption, with proven volume, quality, and cost competitiveness, has given our customers a competitive edge in the high-speed interconnect space.

Join us at OFC 2025 (booth 5961) in San Francisco, where we will:

- **Showcase Innovations:** Experience live demonstrations of our next-generation 1.6T Rushmore and 400G/800G Keystone DSPs, highlighting advancements in performance, power efficiency, and scalability.
- **Highlight Collaborations:** Our collaborations with industry leaders like Jabil and Intel emphasize the importance of co-optimized solutions that address growing data demands and power consumption challenges.

For more information about our 400G, 800G, and 1.6T DSP and TIA solutions, visit:

- [www.maxlinear.com/hsi](http://www.maxlinear.com/hsi)
- [www.maxlinear.com/optical-transceivers](http://www.maxlinear.com/optical-transceivers)

### **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/>.

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### **Cautionary Note About Forward-Looking Statements**

This press release contains “forward-looking” statements within the meaning of federal securities laws. Forward-looking statements include, among others, statements concerning or implying future financial performance, anticipated product performance and functionality of our products or products incorporating our products, statements relating to MaxLinear’s DSP solutions and the functionality, performance and the benefits of use of such products and statement relating to the market opportunity in the AI/ML space. These forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause actual results to differ materially from any future results expressed or implied by these forward-looking statements. We cannot predict whether or to what extent these new and existing products will affect our future revenues or financial performance. Forward-looking statements are based on management’s current, preliminary expectations and are subject to various risks and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. Forward-looking statements may contain words such as “will be,” “will,” “expected,” “anticipate,” “continue,” or similar expressions and

include the assumptions that underlie such statements. The following factors, among others, could cause actual results to differ materially from those described in the forward-looking statements: risks relating to the development, testing, and commercial introduction of new products and product functionalities; risks relating to 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; 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; the geopolitical and economic tensions among the countries in which we conduct business; increased tariffs, export controls or imposition of other trade barriers; our ability to obtain or retain government authorization to export certain of our products or technology; risks associated with international geopolitical and military conflicts; risks related to the loss of, or a significant reduction in orders from major customers; costs of 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 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; 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; risks related to security vulnerabilities of our products; use of open source software in our products; and failure to manage our relationships with, or negative impacts from, third parties.

In addition to these risks and uncertainties, investors should review the risks and uncertainties contained in our filings with the Securities and Exchange Commission (SEC), 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 Annual Report on Form 10-K for the year ended December 31, 2024. 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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