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MaxLinear to Showcase Next-Generation 1.6T Rushmore DSP Live at OFC 2026

- *Live demonstrations highlight 1.6T optical and electrical DSP performance for scale-up and scale-out AI data center connectivity*

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear, Inc. (Nasdaq: MXL), a leading provider of high-speed interconnect ICs for data center, metro, and wireless transport networks, today announced it will showcase its next-generation 1.6T PHY chipset at OFC 2026, March 17–19, in South Hall, Booth 1049. The portfolio includes the Rushmore 200G/lane PAM-4 DSP family and the Washington 200G/lane TIA.

This press release features multimedia. View the full release here:
<https://www.businesswire.com/news/home/20260312035529/en/>

Live Demos of 1.6T Optical and Electrical DSP Performance at OFC 2026

Rushmore is the first major high-speed DSP to be built

entirely in Samsung technology, providing customers with a foundry second source and additional supply flexibility.

Rushmore will be showcased at the MaxLinear booth, as well as the Ethernet Alliance and OIF booths.

At the MaxLinear booth, two live demonstrations will highlight Rushmore's performance, signal integrity, and diagnostics capabilities for next-generation optical and electrical interfaces. One demonstration will show end-to-end optical link performance using the Rushmore 1.6T DSP with the Washington TIA and partner optics to transmit and receive 224Gb/s-per-lane data. A second demonstration will highlight Rushmore's electrical performance, underscoring robust operation in demanding system environments. The demonstrated performance supports deployment across a wide range of data center use cases, from short-reach multimode links to reaches of up to 2 km.

Rushmore will also be showcased in industry interoperability demonstrations at OFC. These include the Ethernet Alliance interoperability demonstration, showcasing compliance with emerging 224G Ethernet standards, and the OIF 224G CEI Very Short Reach (VSR) interoperability demonstration. Together, these demonstrations validate Rushmore's readiness for next-generation electrical interfaces and its compatibility across switches, optical modules, and high-speed cabling solutions.

In addition to Rushmore demos, MaxLinear will also showcase customer optical modules featuring its Keystone 400G and 800G DSPs, as well as Rushmore DSPs, for fully retimed

optical transceiver, LRO and AEC applications. Keystone DSPs have been widely adopted by module vendors and hyperscale data center customers worldwide, with millions of units shipped.

MaxLinear's portfolio addresses both scale-out and scale-up networking architectures required for AI data center growth. The company's roadmap spans optical and copper interconnects, delivering solutions optimized for power, reach, and system flexibility to support today's high-volume 400G and 800G deployments while enabling future 1.6T systems and beyond.

Comprehensive Connectivity Portfolio:

- Rushmore: 1.6T PAM-4 DSP for sub-25W optical modules, built on Samsung's leading-edge CMOS process, featuring the industry's highest swing integrated driver and advanced capabilities such as IFEC, ILT, and MPI localization.
- Washington: Low-power 224Gb/s four-lane TIAs for retimed PAM-4 IMDD applications.
- Keystone: Proven 400G and 800G DSPs deployed in data centers worldwide, offering high-swing and driverless SKUs with full gearbox, reverse gearbox, cross-bar, and legacy rate support.
- Topanga: Four- or eight-channel, 100G-per-lane TIAs delivering superior performance, low cross-talk, and low power consumption.

Visit MaxLinear at OFC 2026, South Hall, Booth 1049, to see live demonstrations and learn how its scalable DSP portfolio is enabling the next wave of AI-optimized data center interconnects.

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 multi-market applications. MaxLinear is headquartered in Carlsbad, California.

For more information, please visit 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 connectivity products and the functionality, performance and benefits of such products and statements about the potential market opportunity for MaxLinear's connectivity products. 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; the capabilities of MaxLinear's 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 other 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 Annual Report on Form 10-K for the year ended December 31, 2025. 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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