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MaxLinear Highlights Leading End-to-end Broadband Access and Connectivity Solutions with Low Power, High Throughput CES Demos

- *Complete access and connectivity platforms for* DOCSIS 4.0, XGS-PON, Wi-Fi 7 – *empowers* service providers.

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear, Inc. (Nasdaq: MXL), a global leader in broadband access and gateway solutions, today announced that it will demonstrate three innovative pieces of its end-to-end access and connectivity solution at CES 2024. The demos will involve: A speed test of its new DOCSIS 4.0 platform, Puma™ 8; a performance test of its new ultra-high split upstream programmable gain amplifier (PGA); and a demonstration of the power efficiency of its Wi-Fi 7 platform. The demos showcase MaxLinear's technological leadership in developing a complete low power, high performance broadband access and connectivity platform that provides ultimate flexibility for service providers.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20240104261397/en/

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"Service providers can reap significant benefits from these innovative broadband platforms for the latest PON and DOCSIS technologies," said Will Torgerson, VP/GM Broadband Group. "Our platforms offer the benefits of increased speed, reduced costs, improved performance, and lower power consumption making them highly attractive

for service providers seeking to enhance their broadband offerings."

MaxLinear Demos at CES 2024

- ***Puma 8 DOCSIS 4.0 Speed Test*** MaxLinear will demonstrate greater than 9Gbps speeds for its Puma 8 platform using ESD/FDD technology and based on 5 x OFDMs channels. This throughput level rivals that of XGS-PON fiber connectivity solutions. The solution showcases complete silicon, hardware, and software functionality and can be cost and power optimized for Ultra DOCSIS 3.1, allowing service providers to upgrade 4.0 at their pace.
- ***Puma 8 Platform PGA:*** MaxLinear will showcase the performance of its ultra-high split upstream PGA for its Puma 8 platform. The low-power PGA achieves upstream speeds of up to 7Gbps based on 6 x OFDMA channels in the 108MHz to 684MHz band and 1 x OFDMA channel on the legacy 5MHz to 85MHz band.
- ***Wi-Fi 7 Power Efficiency:*** MaxLinear will demonstrate how its Wi-Fi 7 platform consumes no more than 5.7 watts of power while idling and less than 7.4 to 9 watts in typical usage scenarios, such as video streaming over an XGS-PON fiber link to a Wi-Fi client. At these levels, power consumption is reduced by half of comparable products on the market. The reference platform used in this demonstration features the AnyWAN URX851 – MaxLinear's universal, ultra-scalable broadband SoC - and the MxL31712 Wi-Fi 7 radio, which integrates the tri-band 4+4+4 MAC plus RF in a single chip.

A Complete Access and Connectivity Ecosystem

Puma 8 and Wi-Fi 7 SoCs are part of MaxLinear's optimized home broadband access and connectivity ecosystem that offers highly integrated single-chip gateway and router solutions. The chipsets are discrete components that are each optimized for performance, and further cost- and performance-optimized when grouped as a platform solution.

- **AnyWAN**: This revolutionary technology breaks down the dependency on a single access technology, enabling service providers to offer multi-gigabit services through a seamless aggregation of various access mediums like fiber, coax, and cellular. This ensures the best possible user experience regardless of the underlying infrastructure limitations.
- **Puma™ 8 DOCSIS® 4.0 Cable Modem and Gateway Platform**: Building off the previous Puma SoCs, this cutting-edge platform delivers the next generation of cable technology, supporting speeds exceeding 10 Gbps downstream and 6 Gbps upstream, with our new ultra-high split upstream PGA. The PGA's ultra-high split upstream capability is pivotal for optimizing network performance as it enables a more efficient allocation of upstream frequency spectrum, facilitating increased upstream data capacity. This results in improved network responsiveness, reduced latency, and enhanced overall user experiences.
- **World's First Single-Chip Wi-Fi 7 Solution**: MaxLinear leads the way in Wi-Fi 7 technology with its single-chip SoC, boasting unparalleled performance and efficiency. This solution delivers multi-gigabit speeds, lower latency, and increased reliability, enabling a new era of wireless connectivity for demanding applications like the metaverse, home security, and remote monitoring.
- **MoCA & G.hn**: MaxLinear's MoCA and G.hn solutions offer robust in-home

networking, extending gigabit speeds throughout the entire premises. MoCA leverages existing coax cabling, while G.hn utilizes existing phone lines, eliminating the need for additional wiring and offering a seamless solution for multi-story buildings or areas with limited Wi-Fi coverage.
- **Ethernet**: MaxLinear's high-performance Ethernet solutions provide the backbone for reliable and scalable wired connectivity within the home and data centers. The company's extensive portfolio includes Gigabit Ethernet, 2.5 Gigabit Ethernet, 10 Gigabit Ethernet, and emerging technologies like 25 Gigabit Ethernet and 100 Gigabit Ethernet, ensuring seamless data transfer across various applications.

The MaxLinear demos will be shown from January 9-12 at CES 2024 in Las Vegas.

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 concerning the anticipated growth in the potential market opportunities for the end-to-end access and connectivity solutions and the functionality, performance and the benefits of such products as well as statement by our VP/GM Broadband Group. 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 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 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; 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 related to the loss of, or a significant reduction in orders from major customers; 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; any delays or expenses caused by undetected defects or bugs in our products; failure to attract and retain qualified personnel; 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; information technology failures; any adverse impact of rising interest rates on us, our customers, and our distributors and related demand; claims of intellectual property infringement; our ability to protect our intellectual property; and a failure to manage our relationships with, or negative impacts from, third parties.

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