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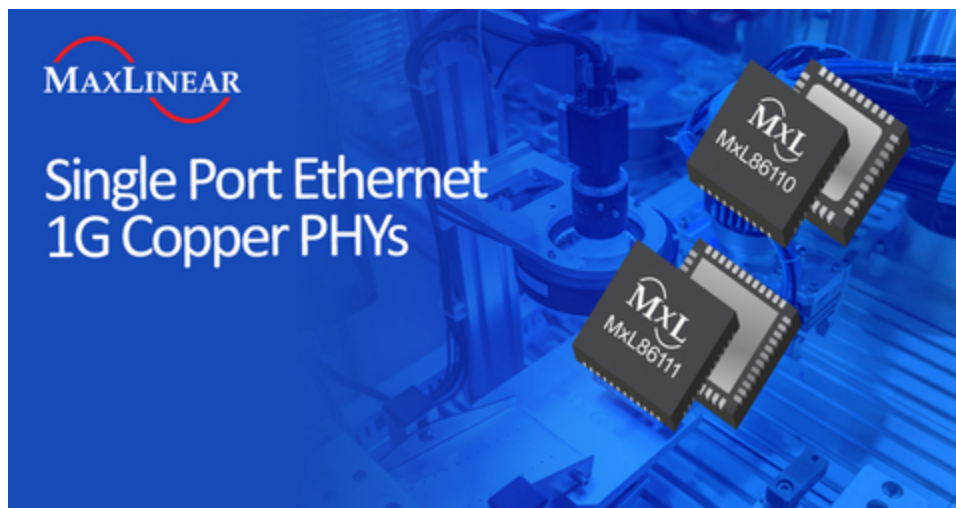


MaxLinear Launches Single-Port 1G Ethernet PHY Family Aimed at Both Consumer and Industrial IOT Applications

- Single-port Ethernet gigabit copper PHYs with low power consumption, a small footprint, and low RBOM.
- Ethernet end-market is expected to grow to \$15.8B by 2028.

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear, Inc. (Nasdaq: MXL), a leader in Ethernet and network solutions, today announced the market availability of its latest generation of single-port 1G Ethernet PHYs, complementing its already robust Ethernet portfolio. The new family is available in consumer and industrial variants and addresses a wide range of applications such as gateways, routers, industrial PCs, media converters, and SGMII to RGMII bridges. The products are available today with full documentation and development kits.

This press release features multimedia. View the full release here:
<https://www.businesswire.com/news/home/20231108373676/en/>



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The new gigabit Ethernet transceivers - MxL86110C, MxL86110I, MxL86111C, and MxL86111I – are tailored to both industrial and consumer needs and meet the market need for robust Ethernet across a variety of applications, including both Industrial IoT (ex. video cameras, motor drives, industrial PC)

and consumer IoT (printers, Wi-Fi access points, and all varieties of gateways). High-speed transmission coupled with low-cost implementation make Ethernet a growing connectivity solution, especially within the industrial space. The industrial Ethernet end-market is expected to grow from \$11B to \$15.8B from 2023 to 2028, according to a report from MarketsandMarkets.

“This new single port 1G PHY further strengthens our Ethernet portfolio and provides our customers with exceptional choice and value,” said James Loughheed, Vice President & GM, High Performance Analog at MaxLinear. “The size, power consumption, and speed of this family offers OEMs, ODMs, and designers significant flexibility in product design, and a highly competitive bill of materials.”

The new Ethernet transceivers are highly competitive and offer a wide range of Ethernet speeds and interface options, providing maximum flexibility for specific requirements. Speeds include 10BASE-Te, 100BASE-TX, and 1000BASE-T on twisted pair interfaces. This versatility enables customers to adapt to different network environments. They also support both half- and full-duplex modes for 10BASE-Te and 100BASE-TX, as well as full-duplex mode for 1000BASE-T, optimizing network performance. Interface options include RGMII only or RGMII and SGMII MAC interfaces.

With this new Ethernet family, MaxLinear focused on providing designers with more flexibility with unit layout and BOM as well as meeting consumers' environmental concerns. Compact packages - include QFN40 5mm x 5mm and QFN56 6mm x 6mm - allow for lower power consumption and efficient design integration. Green power features like EEE, Wake on LAN, and link down power saving align with consumers' environmental concerns by reducing power consumption during idle times. Additionally, features such as support for jumbo frames, auto MDI/MDI-X, auto polarity detection and correction, and Energy Efficient Ethernet (EEE) collectively contribute to a state-of-the-art and power-efficient Ethernet communication solution, giving consumers the confidence to meet their connectivity needs while maintaining design flexibility.

Furthermore, the extended loop length exceeding the standard 100m specified in IEEE802.3 offers consumers greater reach for their network connections. The single power supply with internal DCDC simplifies power management, and the compatibility with various voltage levels (1.8V, 2.5V, 3.3V) ensures ease of integration into different systems.

The inclusion of advanced features like SyncE, dual media support, and industrial temperature range further extends the usability of this product family, making it suitable for advanced industrial applications.

Variscite, a leading System on Module (SoM) designer and manufacturer in the embedded market, selected MaxLinear's new MXL8611x 1G Ethernet PHYs for deployment in their extensive SoM portfolio. “We're excited to strengthen our long-standing partnership with MaxLinear by incorporating their 1G PHY. This will allow us to provide our customers with high-quality products based on market-leading components that support industrial-grade requirements at an optimal price point,” said Ofer Austerlitz, VP Business Development and Sales at Variscite.

The PHYs are available immediately. For more information, please visit [Ethernet Transceivers \(PHY\) - MaxLinear](#).

This new product family complements MaxLinear's Ethernet portfolio of 1G / 2.5G PHYs and Switches. MaxLinear will extend its 2.5G product portfolio further in the coming months.

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 availability, performance and functionality of our products or products incorporating our products, and industry trends and growth opportunities affecting MaxLinear, in particular statements relating to the partnership between MaxLinear and Variscite, statements by MaxLinear’s Vice President & GM, High Performance Analog and Variscite’s VP Business Development and Sales statements relating to MaxLinear’s Ethernet PHYs, including but not limited to, with respect to anticipated product portfolio expansion, growth in the potential market opportunities for Ethernet hardware market, and functionality, performance and the benefits of use of such products. 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 related to our partnerships with third-parties, including Variscite; 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. In addition to these risks and uncertainties, investors should review the risks and uncertainties contained in MaxLinear's filings with the United States Securities and Exchange Commission, including risks and uncertainties arising from other factors affecting the business, operating results, and financial condition of MaxLinear, including those set forth in MaxLinear's most recent Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K, as applicable. All forward-looking statements are qualified in their entirety by this cautionary statement. MaxLinear is providing this information as of the date of this release and does not undertake any obligation to update any forward-looking statements contained in this release as a result of new information, future events, or otherwise.

Market Information

This press release contains statistical data, estimates, and forecasts that are based on independent industry publications or other publicly available information. This information involves many assumptions and limitations, and you are cautioned not to give undue weight to such information. We have not independently verified the accuracy or completeness of the information contained in the industry publications and other publicly available information. Accordingly, we make no representations as to the accuracy or completeness of that information nor do we undertake to update such information after the date of this press release.

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