

May 18, 2025



DrayTek Selects MaxLinear 2.5G Ethernet Switches for Multi-Port Networking Web-Management Switches

- *High port count Ethernet switch SoCs accelerate the development of compact, low-power, wired networking switches*

CARLSBAD, Calif.--(BUSINESS WIRE)-- [MaxLinear, Inc.](https://www.maxlinear.com/) (Nasdaq: MXL) a global leader in wired network solutions, today announced that DrayTek, a leading developer of high performance networking equipment, has selected the MxL86252S and MxL86282S 2.5G Ethernet Switch SoCs for its next generation 7- and 10-port Ethernet switches. MaxLinear will demonstrate its 2.5G solutions at [Computex 2025](https://www.computex.com.tw/), May 20-23, 2025 in Taipei, Taiwan.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20250518991749/en/>



MaxLinear MxL86282S Web-Smart Ethernet Switch SoC powers DrayTek Switches

giving users greater flexibility to manage and secure their network environments. Additionally, IGMPv3 support enables efficient multicast traffic handling, unlocking next-generation applications across enterprise and media-rich environments.

"Today's networks demand more than just speed—they require intelligent features and robust security," said Vikas Choudhary, Vice President of Connectivity and Storage business at MaxLinear. "Our portfolio of 2.5G Ethernet Switches deliver on both fronts, with 2.5G

The MxL86252S and MxL86282S support HTTPS protocol for enhanced data security and robust encrypted connections to support the growing demand for secure, high-performance networking in applications such as digital signage, video conferencing, and esports broadcasting. The switches also offer advanced ACL rule configurations,

Ethernet speed for handling bandwidth-intensive applications, HTTPS support for secure data transmission, flexible ACL rules for precise network control, and IGMPv3 for advanced multicast capabilities. These features enable our customers to build compact, energy-efficient switches that are ready for modern, high-performance applications."

"By leveraging MaxLinear's 2.5G Ethernet Switch SoCs, we can offer our customers high port count switches that are not only compact and energy-efficient but also equipped to handle increasing data traffic demands," said Henry Lo, Head of Product Planning at DrayTek. "This is another example of our commitment to deliver networking technology that enhances connectivity and performance for both consumers and businesses."

MxL86282S Key Features and Benefits:

- **Highly Integrated:** Eight integrated Ethernet 2.5GBASE-T PHYs that support four data rates: 2500, 1000, 100, and 10Mbps. Plus, two optional 10G SERDES uplink ports that provide additional flexibility for network configurations and one integrated CPU to enable web-smart applications.
- **Low Power Consumption:** Under 700mW per PHY. Supports the Energy-Efficient Ethernet (EEE) feature to reduce idle mode power consumption. Offers additional power savings modes for short cables, through EEE, and no-link detection. Power saving at the system level is also possible with the wake-on-LAN (WoL) feature.
- **Switching Performance:** Unblocking wire-speed switching between all ports to support all ports at full rate without packet loss.
- **Future-Proof Features:** A programmable packet parser and a powerful classification engine allow future-proof designs that enable various data traffic types. The MxL86282C supports IPv4 and IPv6, HTTPS security, IGMPv1/IGMPv2/IGMPv3 multicast forwarding, and MLDv1/MLDv2 snooping.
- **Advanced Features:** Includes: VLAN, QinQ, QoS, loop detection, ACL, and traffic shaping.

The MxL86282S and MxL86252S are available now in RoHS compliant, green/halogen free 12mm x 12mm BGA packages. Visit [MxL86252S](#) and [MxL86282S](#) for additional information or to request samples.

For more information on MaxLinear's products:

- 1G Ethernet PHYs, visit: <https://www.maxlinear.com/Ethernet-PHY>
- 1G Ethernet Switches, visit: <https://www.maxlinear.com/Eth-switches>
- 2.5G Ethernet PHYs, visit: <https://www.maxlinear.com/ethernet-switches>

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 or implying future financial performance, statements relating to MaxLinear's ethernet switches and the functionality, performance, benefits, and market opportunity for such product, statements by our Vice President of Connectivity and Storage business and statements by the Head of Product Planning of DrayTek. 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; risks relating to our relationship with Draytek; 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; 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; 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; 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, 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, 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.

View source version on businesswire.com:

<https://www.businesswire.com/news/home/20250518991749/en/>

MaxLinear, Inc. Press Contact:

Debbie Brandenburg

Sr. Marketing Communications Manager

Tel: +1 669.265.6083

dbrandenburg@maxlinear.com

Source: MaxLinear, Inc.