



Synaptics Unveils First Veros™ Wi-Fi 7 Family Tailored for the IoT

Date

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Wi-Fi, Bluetooth, and Zigbee/Thread combo SoCs support high peak speed and low latency for gaming, AR/VR, entertainment, security, and automotive applications.

SAN JOSE, Calif., April 28, 2025 (GLOBE NEWSWIRE) -- Synaptics® Incorporated (Nasdaq: [SYNA](#)) announced it has extended its [Veros](#) wireless portfolio with its first family of Wi-Fi® 7 systems-on-chips (SoCs) tailored for the Internet of Things (IoT). Comprising the SYN4390 and SYN4384, the scalable offering supports bandwidths up to 320 MHz to deliver 5.8 Gbps peak speed and low latency. The triple-combo SoCs integrate Wi-Fi 7 with Bluetooth® 6.0 and Zigbee/Thread, support Matter, and are designed to minimize system cost and power consumption. They target IoT applications requiring reliable performance-over-range for enhanced user experiences across use cases that include 8K video streaming, interactive gaming, security monitoring, immersive AR/VR, and home and automotive entertainment.

Wi-Fi 7's multi-link operation (MLO) allows the devices to send and receive a data stream using multiple frequency bands (2.4 GHz, 5 GHz, 6 GHz) simultaneously in support of low latency, reliable connections, and high throughput for real-time applications like video calls and gaming. Synaptics' architecture provides a power-efficient, cost-effective way to deliver the benefits of MLO.

"Growing adoption of Wi-Fi 7 in wireless networking infrastructure has created an opportunity to address a massive and diverse array of Wi-Fi 7-enabled IoT end-user devices by extending our Veros portfolio," said Venkat Kodavati, SVP and GM of Wireless Products at Synaptics. "We are bringing the benefits of Wi-Fi 7 in a versatile solution for high-performance, low-power IoT devices. Combined with the ease of integration with our [Astra](#) AI-Native compute platform, we expect that developers will have an efficient solution for implementing next-generation connected and AI-enriched IoT products with features such as Wi-Fi Sensing."

ABI Research forecasts annual shipments of Wi-Fi 7 chipsets to reach more than 2 billion by 2029, achieving a CAGR of 56% between 2024 and 2029.¹

"Wi-Fi 7 is ushering in a new era of more enriching and sophisticated use cases for connected devices thanks to its channel bandwidth, throughput, and latency improvements," said Andrew Zignani, Senior Research Director, ABI Research. "However, the requirements for implementation vary by product type, and edge IoT introduces challenges that differ from PCs or infrastructure applications. Synaptics' diverse Wi-Fi 7 solutions are tailored to address these unique needs, including low power, support for multiple connectivity protocols, and AI. These will be critical in enabling Wi-Fi 7's expansion across multiple IoT segments, reaching billions of annual device shipments over the next few years."

Wi-Fi 7 family highlights

The Wi-Fi 7 IoT family's support of Matter and its triple combo design provides the interoperability required to allow the devices to serve as versatile home hubs that can operate across Wi-Fi, Bluetooth, and Zigbee/Thread networks in heterogeneous wireless environments. Features support²:

- Peak speed of up to 5.8 Gbps, using 2x2 + 2x2 MLO, 320 MHz channel bandwidth, and 4K QAM
- Integrated RF front-end and power management IC (PMIC) that contribute to reduced system cost and power consumption
- Dual-core Bluetooth 6.0 for LE Audio, Channel Sounding, and LE Long Range
- Matter and an integrated 802.15.4 radio capable of enabling Zigbee and Thread networking³
- Integrated Arm cores and memory to enable offloading of networking functions from the host processor to help reduce system power consumption⁴

Availability

The SYN4390 is available now for sale, and the SYN4384 is available now in limited quantities for evaluation. For more:

- Get [images](#)
- Download [SYN4390](#) and [SYN4384](#) product briefs
- Contact your [local sales representative](#)

About Synaptics Incorporated

Synaptics (Nasdaq: [SYNA](#)) is driving innovation in AI at the Edge, bringing AI closer to end users and transforming how we engage with intelligent connected devices, whether at home, at work, or on the move. As a go-to partner for forward-thinking product innovators, Synaptics powers the future with its cutting-edge Synaptics Astra™ AI-Native embedded compute, Veros™ wireless connectivity, and multimodal sensing solutions. We're making the digital experience smarter, faster, more intuitive, secure, and seamless. From touch, display, and biometrics to AI-driven wireless connectivity, video, vision, audio, speech, and security processing, Synaptics is the force behind the next generation of technology enhancing how we live, work, and play. Follow Synaptics on [LinkedIn](#), [X](#), and [Facebook](#), or visit www.synaptics.com.

Forward-Looking Safe Harbor Statement

This press release contains certain forward-looking statements, as that term is defined in the Private Securities Litigation Reform Act of 1995, including those relating to the Company's focus on its extended [Veros](#) wireless portfolio with its first family of Wi-Fi® 7 systems-on-chips (SoCs)

tailored for the Internet of Things (IoT), customer adoption of these products, and/or performance as intended. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. Such risks and uncertainties include, but are not limited to, effects of geopolitical unrest and regional conflicts, competition, changes in technology and methods of marketing, delays in or cost increases related to completing development, engineering and manufacturing of these products, changes in customer order patterns, supply chain delays or volatility for critical components, changes in tax rates or tax regulations, such as increased tariffs, and various other factors beyond our control. These risks and uncertainties also include such additional risk factors as are discussed in the Company's filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K and Quarterly Reports on Form 10-Q and Current Reports on Form 8-K. The Company cautions readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. The Company undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement is made, except as required by law.

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Media Contact

Synaptics Incorporated
Patrick Mannion
patrick.mannion@synaptics.com

¹ Source: ABI Research Article: [Wireless Connectivity Technology Segmentation and Addressable Markets](#) by Andrew Zignani (published January 27, 2025) ©2025 Allied Business Intelligence, Inc.

² Actual performance may vary based on deployment environment and device configuration

³ Certification status may vary by implementation

⁴ Power savings may vary based on system design and workload