



Skyworks Partners with ASUS to Launch World's First Ultra-fast Wi-Fi 6E Extended Band Router

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Company's High-performance Wi-Fi 6E Front-end Modules Featured on ROG Rapture AXE11000 Gaming Router

IRVINE, Calif.--(BUSINESS WIRE)--Jan. 12, 2021-- Skyworks Solutions, Inc. (Nasdaq: SWKS), an innovator of high-performance analog semiconductors connecting people, places and things, today announced that its high-performance Wi-Fi 6E front-end modules are featured on the world's first ultra-fast Wi-Fi 6E gaming router from ASUS. Utilizing the FCC's newly allocated 6~7 GHz extended band to double the capacity of traditional Wi-Fi, the Wi-Fi 6E standard enables faster connectivity and supports an increased number of connected users meeting the unprecedented demand for increased video conferencing, online gaming, streaming TV, AR/VR, home security cameras and online exercise apps. An established leader in the networking market, ASUS is the first to deliver the increased and wider bandwidth 160 MHz channels of Wi-Fi 6E with its ROG Rapture GT-AXE11000 gaming router.

A report from ABI Research¹ expects 1.4 billion Wi-Fi 6E chipset shipments by 2025, while also noting that the addition of the 6 GHz band is coming at a critical time as home Wi-Fi communications face increased data demand, with operators worldwide having reported major surges in Wi-Fi traffic. The addition of the 6 GHz band will help provide faster Wi-Fi with less interference, ensuring that this increased use of home Wi-Fi can be supported with high-quality connectivity.

Skyworks' innovative [Wi-Fi 6E solutions](#) expedite time-to-market by incorporating all the required functionality to deliver the maximum-allowed performance and contain a logarithmic power detector to support wide dynamic ranges, low power consumption and improved thermal management. Our Wi-Fi 6E wireless products are enabling faster download and upload speeds along with enhanced coverage, highly reliable connectivity in dense traffic areas and improved power efficiency.

ROG Rapture GT-AXE11000 is the world's first Wi-Fi 6E router. Designed with three concurrent frequency bands of operation and 802.11ax Wi-Fi 6E connectivity, ROG Rapture GT-AXE11000 supports speeds of up to 11 gigabit-per-second and features WAN aggregation for wired connectivity up to 2 gigabit-per-second. With 4x4 Wi-Fi 6 and a 2.5 gigabit-per-second wired LAN port, both wired and wireless networks can achieve sustained speeds of more than 1 gigabit-per-second, bringing true multi-gigabit performance to life. Bringing the industry-leading design to life, the GT-AXE11000 leverages Skyworks' latest 6 GHz front-end modules to maximize RF performance in signal coverage, quality and power efficiency.

"This year people have been spending more time than ever at home working, learning and playing, and for gamers this has also meant seeking out the latest and greatest gear to level up their play," said Ten-Long Deng, corporate vice president of ASUS. "Leveraging Skyworks' vast experience developing cutting-edge technologies has enabled us to bring true multi-gigabit performance to life for those looking to gain an advantage while upgrading their gaming experiences with the new ASUS ROG Rapture GT-AXE11000."

"Faster, highly reliable and efficient Wi-Fi coverage has never been more important as more and more devices and users have shifted to virtually connecting while staying safe at home," said Dave Stasey, vice president and general manager of diversified analog solutions for Skyworks. "Through our portfolio of high-performance solutions, Skyworks is proud to continue our partnership with an industry leader like ASUS by providing functionality to optimize Wi-Fi coverage and speeds to address the insatiable demand for always-on connectivity."

Wi-Fi 6E technology takes advantage of the newly available radio spectrum in the 6 GHz band, which offers three-times more bandwidth than the 5 GHz band. It also adds seven new 160 MHz channels to the current Wi-Fi 6 standard, provides lower latency, and will be dedicated to Wi-Fi 6E devices for maintaining high speeds that will not be affected by legacy devices.

Part of our portfolio of Wi-Fi 6E products, Skyworks' SKY85780-11 and SKY85784-11 are highly integrated, front-end modules (FEM) incorporating a single-pole, double-throw (SPDT) transmit/receive (T/R) switch, a high-gain low-noise amplifier (LNA) with bypass, and a power amplifier (PA) intended for high-power Wi-Fi 6E applications and systems. Built in a compact, 24-pin 3 x 5 mm package, these FEMs may reduce the front-end board space by more than 50% making them ideal for routers, gateways and wireless audio/video applications.

About Skyworks

Skyworks Solutions, Inc. is empowering the wireless networking revolution. Our highly innovative analog semiconductors are connecting people, places and things spanning a number of new and previously unimagined applications within the aerospace, automotive, broadband, cellular infrastructure, connected home, industrial, medical, military, smartphone, tablet and wearable markets.

Skyworks is a global company with engineering, marketing, operations, sales and support facilities located throughout Asia, Europe and North America and is a member of the S&P 500® and Nasdaq-100® market indices (Nasdaq: SWKS). For more information, please visit Skyworks' website at: www.skyworksinc.com.

Safe Harbor Statement

Any forward-looking statements contained in this press release are intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. Forward-looking statements include without limitation information relating to future events, results and expectations of Skyworks. Forward-looking statements can often be identified by words such as "anticipates," "expects," "forecasts," "intends," "believes," "plans," "may," "will" or "continue," and similar expressions and variations (or negatives) of these words. Actual events and/or results may differ materially and adversely from such forward-looking statements as a result of certain risks and uncertainties including, but not limited to, our ability to timely and accurately predict market requirements and evolving industry standards and to identify opportunities in new markets; our ability to develop, manufacture, and market innovative products and avoid product obsolescence; our ability to compete in the marketplace and achieve market acceptance of our products; delays in the standardization or commercial deployment of 5G technologies; the availability and pricing of third-party

semiconductor foundry, assembly and test capacity, raw materials and supplier components; the quality of our products; our products' ability to perform under stringent operating conditions; and other risks and uncertainties identified in the "Risk Factors" section of Skyworks' most recent Annual Report on Form 10-K (and/or Quarterly Report on Form 10-Q) as filed with the Securities and Exchange Commission ("SEC"). Copies of Skyworks' SEC filings can be obtained, free of charge, on Skyworks' website (www.skyworksinc.com) or at the SEC's website (www.sec.gov). Any forward-looking statements contained in this press release are made only as of the date hereof, and we undertake no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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¹ ABI Research, Sept. 15, 2020: [6 GHz Wi-Fi Opportunities and Challenges](#)

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