



## Skyworks Partners with Broadcom to Deliver Unprecedented Power Efficiency for Next-Generation Wi-Fi 6/6E Devices

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### **Skyworks ICE™ Solutions Reduce Front-End Module Power Consumption by Up to 30%**

IRVINE, Calif.--(BUSINESS WIRE)--Dec. 6, 2022-- Skyworks Solutions, Inc. (Nasdaq: SWKS), today introduced the industry's highest efficiency portfolio of Wi-Fi front-end modules (FEMs) addressing the power, performance and thermal requirements of Wi-Fi 6/6E-enabled devices in next-generation enterprise and Internet of Things (IoT) products. Leveraging Skyworks' lab-to-fab design process and the advanced signal processing capabilities in Broadcom's family of Wi-Fi 6/6E solutions, the Skyworks ICE™ (Incredible Current & Efficiency) FEMs deliver substantial improvements in processing speed, latency and system-level power efficiency.

In addition to enhancing mobile device capabilities, Wi-Fi 6/6E is driving improved connectivity for IoT, private networks and deployments in dense public areas as well as across new products. The Wi-Fi Alliance estimates that Wi-Fi 6/6E will surpass 80% of the total Wi-Fi market by 2025<sup>1</sup>.

Wi-Fi 6/6E devices are typically equipped with multiple radio System-on-Chips (SoCs) driving up to 16 radio frequency streams and FEMs. To dissipate the heat generated by these high-performance Wi-Fi systems often housed in small industrial form factors, manufacturers were previously forced to compromise between performance, the cost of thermal management, size and design aesthetic.

"Skyworks ICE FEMs, coupled with Broadcom's Wi-Fi silicon, enable manufacturers to deliver a dramatic and material reduction in overall power dissipation, reducing product cost and simultaneously contributing to a greener planet," said John O'Neill, vice president of marketing at Skyworks. "These product advancements allow equipment providers to offer more sustainable products, smaller form factors, enhanced reliability and superior performance as compared to any alternative solutions."

"Our digital pre-distortion technology coupled with Skyworks' ICE FEMs has led to unprecedented performance and efficiency gains," said Manny Patel, senior director of marketing at Broadcom. "This collaboration with Skyworks enables our customers to deliver high-speed connectivity in the cutting-edge end markets that rely on these technologies."

"Delivering to consumers award-winning routers that offer great speeds, killer gaming features and effortless connectivity requires using components that readily address the thermal challenges found in today's industrial designs," said Tenlong Deng, corporate vice president, general manager of Networking and Wireless Devices Business Unit at ASUS. "Integrating Skyworks ICE FEMs in our designs allows us to bring cutting-edge technologies with optimized performance in a small footprint to best meet the needs of our Wi-Fi customers."

"Skyworks offers flexible products with high performance and low power consumption to meet the latest market trends," said Pingji Li, general manager of International Product Business Group at TP-Link. "We integrated Skyworks ICE front-end modules into our high-performance Wi-Fi 6E routers for improved power efficiency and reduced heat from its electronic components. Working closely with Skyworks allows us to deliver excellent, high-quality products that our customers have come to expect from TP-Link."

"By implementing Skyworks ICE front-end modules in our designs, we are able to reduce power consumption and enable better heat dissipation resulting in a high-end solution that meets the stringent needs of our customers," said Jaewook Kim, SCM vice president at Humax. "Our long-standing strategic partnership with Skyworks has been invaluable to our ability to provide broadcasting companies and mobile carriers with the high-quality video gateways, set-top boxes and broadband gateways they demand."

For more information on **Skyworks' ICE™** portfolio of products, visit: <https://www.skyworksinc.com/en/System-Solutions/ICE>. Skyworks will be exhibiting at the Consumer Electronics Show Booth No. 10850, taking place in Las Vegas from Jan. 5-8, 2023.

### **About Skyworks**

Skyworks Solutions, Inc. is empowering the wireless networking revolution. Our highly innovative analog and mixed signal 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, defense, entertainment and gaming, industrial, medical, 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](http://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](http://www.skyworksinc.com)) or at the SEC's website ([www.sec.gov](http://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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<sup>1</sup> <https://www.wi-fi.org/news-events/newsroom/wi-fi-6-and-wi-fi-6e-drive-global-market-opportunities>

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