



Skyworks' Advanced Synchronization Solutions Support Next-Generation 5G Deployments

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Innovative New Timing and Network Synchronization Products For 5G NR and O-RAN Fronthaul Networks

IRVINE, Calif.--(BUSINESS WIRE)--Aug. 30, 2022-- Skyworks Solutions, Inc. (Nasdaq: SWKS) today announced the launch of its new portfolio of network synchronization solutions, which includes the Si551x and Si540x families of NetSync™ clock integrated circuit devices and Skyworks' AccuTime™ IEEE 1588 software. Each product family is engineered to meet the requirements of mobile operators and equipment vendors for 5G fronthaul networks. Precise and accurate time synchronization is critical to ultra-reliable network operation and is paving the way for future enhancements, including Ultra-Reliable Low-Latency Communications (URLLC) and Coordinated Multipoint Access (CoMP) that empower 5G to support autonomous vehicles, factory automation, telemedicine and other emerging applications.

"Skyworks' decades of expertise and patented timing technology enable the company to offer best-in-class performance, integration and reliability, featuring its ultra-low jitter DSPLL® architecture with MultiSynth™ 'any-frequency' clock synthesis," said Mark Thompson, senior vice president and general manager of the mixed signal solutions business at Skyworks. "This technology allows multiple clock and synchronization functions to be combined into a single device, reducing power consumption and printed circuit board space, while simplifying high-frequency design. Skyworks has been collaborating with partners such as NXP Semiconductors and AMD to drive 5G solutions for both the public and private wireless network markets."

"Focused on enabling an ecosystem to support O-RAN 5G solutions that allows customers to quickly bring products to market, NXP leverages the hardware capabilities of its Layerscape multicore processors and Layerscape Access programmable-based processors for 1588 timing synchronization and combines it with ecosystem solutions like those provided by Skyworks," said Tareq Bustami, senior vice president and general manager, Network Edge at NXP Semiconductors. "Our collaboration with Skyworks delivers robust ecosystem solutions that meet the stringent requirements of evolving 5G networks."

"Skyworks Si551x and Si540x products are ideal companions to our system-on-a-chip (SoC) solutions, including our RFSoc DFE and Versal™ platforms targeted at 5G RRU, Beamforming fronthaul and vDU," said Mike Wissolik, director of marketing, Data Center and Communications Group at AMD. "The AccuTime software runs on our in-built ARM processor subsystem and utilizes on-chip IP allowing customers to have a truly integrated synchronization solution."

Additional Product Information:

Skyworks' Si551x and Si540x timing solutions comply with all relevant telecom standards, including ITU-T G.826x/G.827x, IEEE 1588-2008/2019 and O-RAN WG4, enabling robust and reliable synchronization across networks. These new products are in production, and samples and evaluation kits are available now.

- **Si551x:** Optimized for air-interface equipment including radio units (RUs) and integrated small cells, the [Si5518](#) and [Si5512](#) products combine the functions of network synchronization, jitter attenuation and JESD204B/C clocking into a single device.
- **Si540x:** Optimized for equipment within the fronthaul network, such as distribution units (DUs) and fronthaul switches and gateways, the [Si5401](#), [Si5402](#) and [Si5403](#) products provide network synchronization and synchronous Ethernet/SDH clock wander filtering.
- **AccuTime™ IEEE 1588 Software:** Designed to provide a comprehensive and flexible PTP solution, and highly integrated with the Si551x and Si540x devices, [AccuTime IEEE 1588 software](#) supports time recovery performance to meet the requirements of real-world fronthaul network deployments using full (FTS), partial (PTS) or assisted partial (APTS) timing support.

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, entertainment and gaming, industrial, medical, defense, 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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