



New Product Announcement

SkyOne® WiFi Mobile Wi-Fi Front-end Module with Dual Switch/LNAs, Diplexer and LTE Coexistence Filter

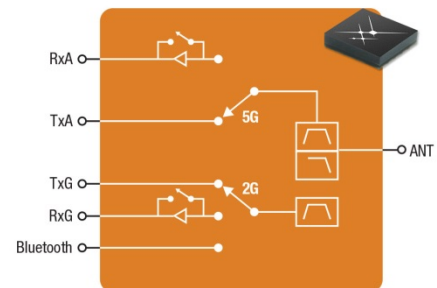
SKY85812-11

Skyworks is pleased to introduce SkyOne® WiFi, a new family of highly-integrated wireless networking solutions for mobile and Internet of Things (IoT) ecosystems. The first of its kind, these new devices incorporate all of the key radio frequency blocks between the Wi-Fi system-on-chip (SOC) and the antenna, unburdening customers of complex RF design challenges while reducing their time to market. This unique platform significantly improves the Wi-Fi system performance when compared to other standard SOC platforms and further mitigates interference with other radios, extending range and increasing throughput to greatly improve the user experience.

The [SKY85812-11](#), which is the first in the SkyOne® WiFi series of products, can be utilized for Wi-Fi-enabled handsets, tablets, mobile/portable systems and IoT devices.

Features include:

- Integrated high-performance 2.4 and 5 GHz LNAs with bypass, antenna SPDT and SP3T switches, **reducing system complexity**
- Bluetooth® port that **allows for BT/Wi-Fi antenna sharing**
- **Integrated diplexer** enabling inputs for Bluetooth® and 2G +5G Wi-Fi
- Coexistence rejection of ~50 dB at adjacent LTE cellular bands, **allowing simultaneous operation of Wi-Fi and LTE systems**
- **Compact 16-pin 3 x 3 mm package**, saving PCB space



Functional Diagram

The data sheet can be found at:

SKY85812-11: <http://www.skyworksinc.com/Product/3399/SKY85812-11>

Sales and Technical Support

Pricing depends on quantities. Please contact a sales representative at sales@skyworksinc.com or visit the company's website at www.skyworksinc.com for more information.

New Products

New products are continually being introduced at Skyworks. For the latest information, please visit the new products section of our website at www.skyworksinc.com.

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 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.

