



New Product Announcement

New Front-end Module for LPWAN, LoRa, IoT and Industrial Applications

Skyworks' [SKY66422-11](#) is the newest addition to our family of compact, high performance RF front-end modules (FEMs) which is specifically designed for LPWAN – supporting LoRa®, SigFox and other unlicensed band technologies – as well as high-power Industrial, Scientific, Medical (ISM) applications operating in the 860-930 MHz frequency range.

This new solution delivers improved sensitivity and more than double the operating range versus a standalone system-on-chip (SoC). The [SKY66422-11](#) requires minimal board space and consumes low power, making it ideal for IoT and industrial platforms including sensors, beacons, smartwatches, thermostats, wireless cameras, medical pendants and smoke and CO detectors. The [SKY66422-11](#) compliments our previously released [SKY66420-11](#), [SKY66421-11](#), and [SKY66423-11](#) front-end modules.

Features:

- **2x extended range and approximately 11 dB improved sensitivity versus a standalone SoC**, covering both FCC and ETSI unlicensed bands
- **2 to 4.8 V supply voltage range**, enabling direct operation from a battery
- **Low power consumption**, supporting operation from coin cell batteries
- **Compact 3 x 3 x 0.75 mm Multi-Chip Module (MCM) package** ideal for IoT and industrial applications

	SKY66420-11	SKY66421-11	SKY66422-11 – New!	SKY66423-11	Unit
Data Sheet	SKY66420-11	SKY66421-11	SKY66422-11	SKY66423-11	-
RF Frequency	860–930	860–930	860–930	860–930	MHz
Pout	902–928 and 868 MHz: 27	902–928 and 868 MHz: 27	902–928 and 868 MHz: 27	902–928 and 868 MHz: 27	dBm
Tx / Rx Gain	16 / 18	16 / -1	20 / 18	29 / 18	dB
Max. Rx Input Power	10	20	20	10	dBm
Typ. Noise Figure	1.5	1	1.7	1.5	dB

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.skyworksin.com.





SKYWORKS®

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[Additional Resources!](#)

Skyworks recently released [LoRa® Connectivity Made Smarter with Low-power, Front-end Modules](#) featuring the SKY6642x-11 family of products. In addition, a [brief video](#) is available featuring the article.



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.

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