SKYWORKS®

skyworksinc.com

Internet of Things
Solutions for Smart Cities, Connected Homes, Smart Retail, Wearables, and More

The Internet of Things (IoT) is rapidly transforming industries, communities, and our daily lives. While IoT is becoming a reality, billions of connections are yet to be made. Our products leverage multiple wireless technologies — for a wide range of applications requiring different frequency ranges, data rates and battery life — to bring everyone and everything closer to vital information wherever it is needed.

Skyworks has years of experience servicing the IoT industry. We are enabling breakthrough communication platforms from global industry leaders – changing the way we live, work, and play. Through our broad technology expertise and one of the most extensive product portfolios in the industry, we are Connecting Everyone and Everything, All the Time.

IoT Applications

Connected Home
- Smart appliances
- Security cameras and locks
- Headsets and speakers
- Smart lighting and thermostats

Smart City
- 5G Massive IoT
- Smart energy metering
- Traffic sensors
- Smart parking

Smart Retail
- Smart shelves
- In-store analytics
- Mobile POS
- Inventory management

Industrial IoT
- Environmental monitoring
- Agricultural monitoring
- Robotic monitoring and control
- Asset tracking

Wearables
- Smart watches
- Hearing aids
- Fitness trackers
- Medical monitoring

Featured Products

SKY66431 System-in-Package (SiP) 5G Massive IoT Development Kit

- 5G Massive IoT, Sequans Monarch 2 modem
- PC3 power amplifier
- Embedded shielding
- RF switches
- RTC and HF XTALs
- RAM
- RF filters and matching
- iSIM iUICC

SKY66122-11 Fully Integrated Front-end Module for Wi-SUN® Applications

- 863 to 928 MHz operating frequency
- Combines with System on Chip (SoC) radio transceivers
- Compatible with Silicon Labs EFR32FGn series
- Integrated PA, LNA, T/R switch, and logic control
- Integrated limiters protect the LNA from high input signals
- Fully-matched input and output
- Optional receive filter enhances interference rejection
- Supply voltage: 3.0 V to 5.0 V
- Sleep mode current: <1 µA

SKYR23002: SKY66423-11 (FEM) + Semtech SX1261 (SoC)

Reference Design for Wi-SUN®, LoRa®, HaLow, W-MBUS Applications

- Covers 860 to 930 MHz ISM band
- Integrated PA with +27 dBm output power
- Integrated LNA with 1.5 dB typical noise figure
- Fast turn-on/turn-off time: <4 µs TX mode
- Supply voltage: 2.0 V to 4.8 V
- Sleep mode current: <1 µA
- Compact 16-pin, 3 x 3 x 0.75 mm package

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