



CY3271 FirstTouch RF kit

Product Brief

Features

- The CY3271 is a RF enabled kit that allows users to easily evaluate Cypress chips and development systems. The CY3271 features the Star Network Protocol and the CYRF8C7936 2.4-GHz Direct Sequence Spread Spectrum (DSSS) radio and an integrated PA.
- Operates in the unlicensed worldwide Industrial, Scientific and Medical (ISM) band, 2.400–2.483 GHz, up to 0dBm and 2.405-2.476 GHz at +20dBm (PA enabled)
- Less than 240 mA operating current (Transmit @ 20 dBm)
- Transmit power up to +20 dBm (EU/Japan limited to +10dBm)
- Receive sensitivity up to –93 dBm
- Sleep Current < 10 μA
- Operating range of up to 1km or more.
- DSSS data rates up to 250 kbps, GFSK data rate of 1 Mbps
- Auto Transaction Sequencer (ATS) - no micro controller intervention
- Features the Star Network Protocol and LP Radio User modules.
- Operating voltage from 1.8 to 3.1 volts
- Operating temperature from 0 to 70°C

Functional Description

The Cypress CY3271 First Touch kit offers easy to use

The CY3271 is tested for functional operation and is FCC/ETSI (EU)/Industry Canada Japan certified.

Applications

- **PC Human Interface Devices (HID)**
 - Wireless Gamepads
 - Remote Control
- **White Goods (Smart Appliances)**
 - Window unit air conditioners
- **Consumer**
 - Sports and Leisure Equipment
 - Remote Controls
 - Locator Alarms
 - Toys
- **Building/Home Automation**
 - Automatic Meter Readers (AMR)
 - On-Site Paging Systems
 - Garage door opener
 - Alarm and Security
 - Lighting Control
 - Climate Control
 - Fan Control
- **Industrial Control**
 - Point-of-sale systems
 - Factory Automation
 - Data Acquisition

Ordering Information

Part Number	Description
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