CY3271 PC Bridge Users Manual

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 2.412-2.460 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

RoHS Compliant

Pb lead-free

Ordering Information

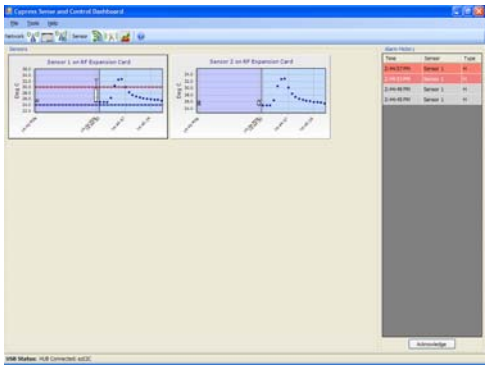
Part Number	Description	Temperature
CY3271	FirstTouch RF kit	0 to 50ºC

Operation

Install the kit CD and click “Install CY3271 Kit and Tools”

After completing the install process, connect the PC Bridge to the USB port. Connect the PC Bridge to the RF Expansion board .

Run the SCD software and verify that the temperature data is correctly displayed on the screen.



Regulatory statement

The kit is designed to implement wireless device links operating in the worldwide 2.4-GHz ISM frequency band. It is intended for systems compliant with world-wide regulations covered by Europe ETSI EN 301 489-1, ETSI EN 301 489-7, & ETSI EN 300 328-1, USA FCC Part 15 and Industry Canada RSS-210 standards.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

RF Exposure Warning: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device must be installed in accordance with the provided instructions and must be operated with minimum 20 cm spacing between the antennas and all person's body during wireless mode of operation. Further, this transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.