

CC2550

▶ RF TRANSMITTER

THE MARKET'S LOWEST COST, LOW-POWER 2.4 GHz TRANSMITTER

The CC2550 is a highly integrated, multichannel RF transmitter designed for low-power wireless applications in the 2.4 GHz Industrial Scientific Medical (ISM) band.

Market's lowest system cost

- Very low unit price per chip
- Very few external components required, all are low cost type
- Reference design with two layer PCB and all components mounted on the same side
- Very small footprint. The CC2550 comes in a 4 x 4 mm, 16-pin QFP package
- CC2550's many powerful digital features allow building a high-performance RF system using an inexpensive micro-controller

Very low power consumption

- TX: 19.4 mA at 0 dBm output power, 11.2 mA at -12 dBm output power
- Burst mode data transmission with high over-the-air data rate reduces current consumption
- Fast start-up times reduces average current consumption

Excellent radio performance

- Programmable data rate from 1.2 - 500 kbps
- Programmable output power up to 1 dBm
- Full packet handling including preamble generation, sync word insertion, flexible packet length and automatic CRC

▶ APPLICATIONS

The CC2550 can be used in a wide range of applications, such as:



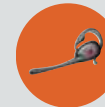
WIRELESS GAME CONTROLLERS



WIRELESS KEYBOARD/MOUSE



CONSUMER ELECTRONICS



WIRELESS AUDIO



SPORTS AND LEISURE EQUIPMENT