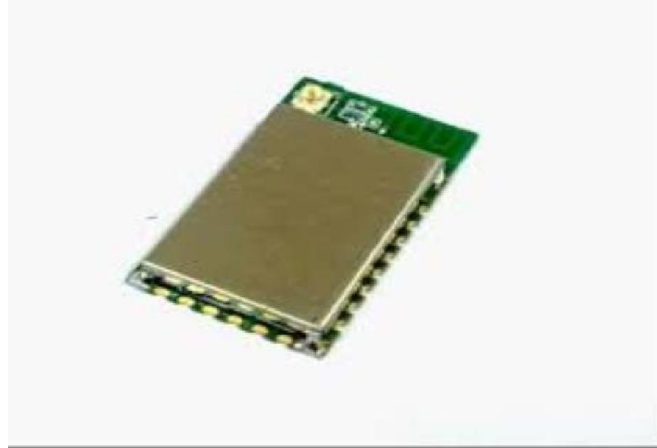


## CC2530 Zigbee High Power Module (TT2530-HU2F)



### Product Description

ZigBee module Certificate: CE  
Compliant module; Tiny form factor: 16 x 28 mm;  
SoC Zigbee compliant module.  
Reliable ZigBee mesh architecture.  
Tiny form factor: 16 x 28 mm.  
LowPower module Use CC2530.  
HighPower module Use CC2530+CC2591.  
2.4GHz DSSS for global use  
Customizable solutions

Performance TT2530-L, TT2530-H  
Use Chip CC2530 CC2530+CC2591  
Interface SMT  
Serial Interface Options 3V TTL  
Serial Data Rate Up to 115.2 Kbps  
RF Baud Rate 250 Kbps

Receive Current (Typical) (Active Mode RX, CPU idle)  
24 mA 25 mA  
Transmit Current (Typical)  
(Active Mode TX at 1 dBm, CPU idle)  
29mA 150 mA  
Channels 16  
Security 128 bit AES & SSP

Radio Frequency  
Frequency Band

(software-selectable) 2400 ~ 2483.5 MHz

Modulation DSSS QPSK

Output Power -28 dBm ~ +4.5 dBm variable

-10 dBm ~ +20 dBm variable

Voltage 2.0V ~ 3.6V

Sensitivity (Typical) (@ full RF data rate) -97 dBm typical

-98.8 dBm (High Gain Mode) -90.4 dBm (Low Gain Mode)

Range (typical, depends on antenna/environment) Up to 135 m with external antenna up to 1.6 km with external antenna

Environmental

Temperature -40° C ~ +125° C

-40° C ~ +85° C

Physical

Dimensions (16 x 28 x 3 mm)

Weight < 0.7 oz (< 20 g)

Antenna Connector

U. FL Connector or PCB antenna