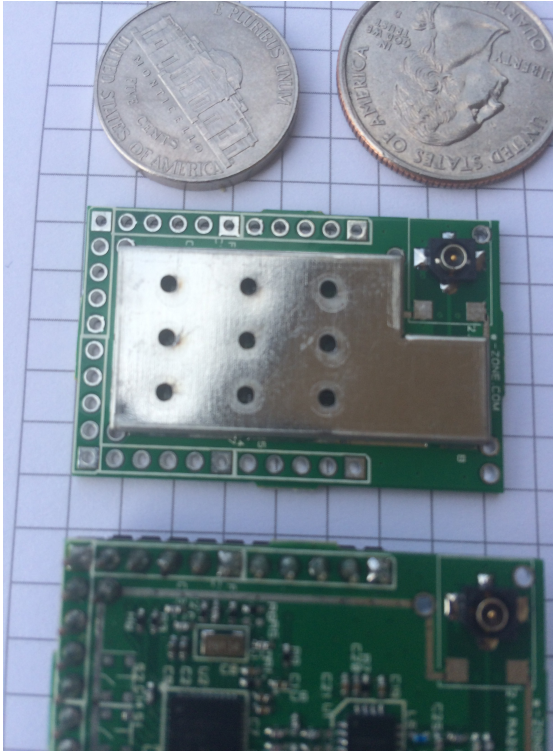


# FCC Approved 2.4 GHz Secure RF Transceiver Module

## For Long Range Process Control

offered by e-ZONE and PCE Texas



### Specifications

Size:.....0.8" X 1.5"

RF Power Out:.....+14dBm

Receiver Sensitivity.....-97dBm

Effective Free Space Range ...~1 Mile (~1600 M)

Temp Range -40 to +85 Std to +125 Special Order

Input / Outputs: ....USB, 2 digital out 2 digital in,  
.....6 GPIO available

Modulation: .....PAM, Spread Spectrum,  
.....Frequency Hopping

Power Requirement.....3.3 to 5.0VDC

Standby Power <4uA in sleep mode with user  
specified wake and listen period.

Max Range Continuous Data Link Power 22Ma

### Built In Mesh Network

Requires your own 64 bit Security Hardware Key to enable detection, and communications. This may also be used to define sub-networks in the same location

AES 128 bit hardware encryption.

Can operate continuously "on" or in "sleep and listen" mode. Will automatically find and add additional units to mesh as they become recognized.

Automatic Power Adjust Mode when linked permits use with battery or solar power.

### Our Offer

You can save an estimated \$40,000 in hardware, and firmware design and certification costs and reduce your time to market by 3-6 months. How? You may purchase these as individual transceiver pairs, as sets, or as full IP package allowing you to build yourself under our guidance.\*

For evaluation units, demonstration, pricing or discussion of your customization needs, Contact PCE Texas by phone or email.

\*Note extensive customization may require FCC Certification Addendum, the coordination of which we are happy to arrange.

972-985-1577

RFModule@PCETEXAS.com