



RN4870 Bluetooth Low Energy PICtail / PICtail Plus Daughter Board

Part Number: RN-4870-SNSR



The RN-4870-SNSR is a development board based on the ultra-compact Bluetooth 4.2 Low Energy **RN4870** module. The **RN4870** uses a simple ASCII command interface over the UART. The board enables evaluation of the **RN4870** and development of Bluetooth low Energy applications in two different ways:

- 1) Out of the box: When plugged into the USB port of a PC, the board will enumerate as a Communication Device Class (CDC) Serial device. Through a terminal program, users can configure and control the module and transfer data using the easy to use provided command set.
- 2) As a PICtail/PICtail Plus, the board interfaces to Explorer 8 or Explorer 16 Development Board. The Explorer 8/16 modular development system works with one of hundreds of available PIC 8, 16, 32 bit Microcontrollers PIM (Plug-In-Modules). The PICtail bridges the host MCU UART to the RN4870's UART interface for data transfer or configuration using the straight-forward, easy-to-use ASCII style command set.

Features

Bluetooth® 4.2 Compliant RN4870 module with on-board antenna and 2dBm output power

Plug-and-Play USB interface for configuring and controlling the module

PICtail interface for connection to Microchip's most popular Microcontroller development platforms, such as Explorer 16

USB indication, module status and User configurable LEDs

Coin cell Battery, USB or PICtail power options

Potentiometer

Light sensor

iOS app for demonstration

Package Contents

RN4870 PICtail / PICtail Plus Daughter Board

Sensor board

Mini-USB cable

Documentation & Software

No Document related