WiFly Dev Kit Selector Guide

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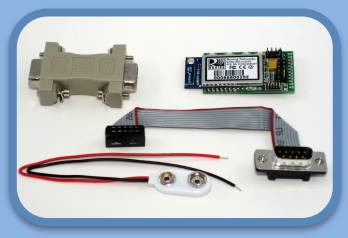
WiFly Dev Kit Selector Guide.pdf 11/20/2010

Part Number	Firmware	Hardware	Software	Prototype Boards
RN-134-K	Roving Networks Application	Module	Terminal Emulator ASCII commands	RN-134 RN-121
RN-131-EVAL	Roving Networks Application	Module	Terminal Emulator ASCII commands	RN-134
RN-G2DK	Write your own	Module and Chip*	C,C++, Epsilon Software Library	RN-IDK RN-MDK

*Chip level development requires the purchase of additional support contract



RN-134-K
$119

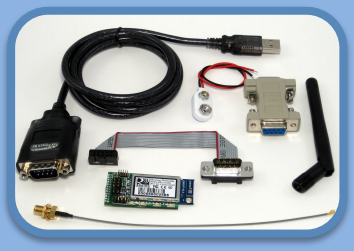
Features

- Complete low power embedded TCP/IP solution
- Simplest configuration -Just connect (PWR, TX, RX and GND)
- Easily configure the WiFly GSX Module
- Simple ASCII command interface
- Status LEDs
- RS232 and TTL UART interface

Kit description

- SURF board with WiFly GSX module
- Null modem
- 10 pin serial cable
- Battery Clip

Connect the RN-134 to the PC and configure the WiFi module through serial interface (RS232 or TTL) using a Terminal Emulator. This kit is ideal for customers are just getting started and explore the ASCII command set



RN-131-EVAL
$149

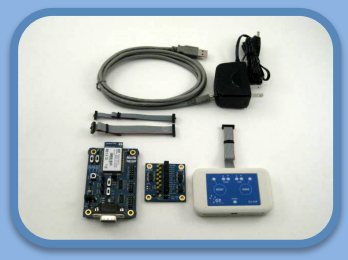
Features

- Complete low power embedded TCP/IP solution
- Simplest configuration -Just connect (PWR, TX, RX and GND)
- Easily configure the WiFly GSX Module
- Simple ASCII command interface
- status LEDs
- RS232 and TTL UART interface

Kit description

- SURF board with WiFly GSX module
- USB-Serial cable
- Null modem
- 10 pin serial cable
- U.FL to reverse SMA cable
- 4" antennaThe
- Battery Clip

This Kit includes the antenna connectors in addition to the RN-134 module and connector cables. This kit is suitable for customers who would like to explore the RF characteristics of the RN-134 module in addition to the command set



RN-G2DK
$2499

Features

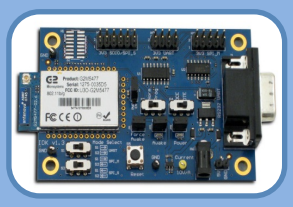
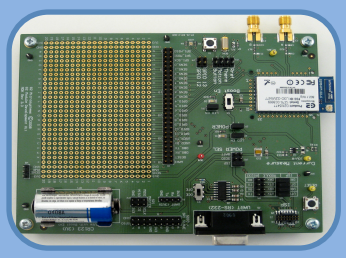
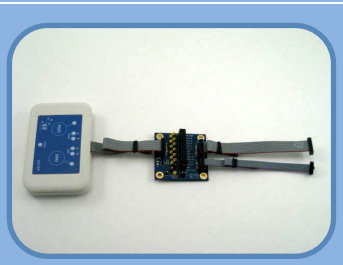
- Based on GCC, GNU Make and the LEON BCC Compiler System
- Epsilon ROM includes eCos, TCP/IP stack and 802.11i security functions
- Single or multi-threaded capability
- Rich set of example applications

Kit description

- RN-G2IDK with the RN-131 module
- RN-G2ISP
- USB cable
- DC power supply
- Tools for creating and downloading images to the flash memory
- For advanced hardware prototyping, we recommend RN-G2MDK

The SDK allows users to quickly develop their own application by modifying and combining code from the comprehensive example library. The SDK produces executable code that efficiently uses the chip hardware

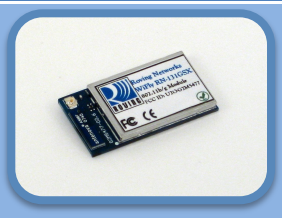
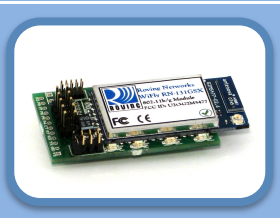
Roving Networks to G2 Microsystems parts

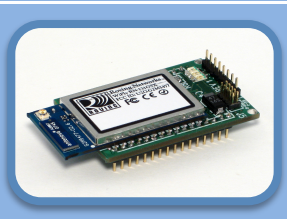
Module	Features
 RN-G2IDK $249	• Complete development board for evaluating the RN-131 module with your microcontroller-based design • The Icon Platform Software enables the module to become a Wi-Fi networking interface battery-powered devices • The platform is especially suited for use with 8-bit or 16-bit host microprocessors that do not have the ability to connect to other Wi-Fi chips, or for use with 32-bit host processors that do not have enough additional processing power to run a network stack. • The host API is implemented as a socket networking interface, and is simple to use
 RN-G2MDK $499	• A calibrated, tested and certified RN-131 Wi-Fi and networking module • User selectable power supply options • UART, SPI and SDIO expansion header • On-board thermistor for temperature measurement • On-board ball-in-tube motion sensor • Antenna connectors • Prototyping area for additional sensors and peripherals • CR-125 Battery slot • Push button reset switch
 RN-G2ISP $499	• Connects the debug interface header of the to your computer • Easily restart your application by simply pressing the "RESET" button • Provides interface between the Linux development computer and the module, IDK or MDK • Includes 16 way ribbon cable for data and power connection
RN-SUPPORT $1000/month	Jira based support, provides access to technical documents, knowledge base and technical support from Roving Networks

Roving Networks to G2 Microsystems parts

Roving Networks part	G2 Microsystems part
RN-131G	G2M5477
RN-131C	G2M5437
RN-G2C547	G2C547
RN-G2C543	G2C543

Roving Networks WiFly modules

Module	Features
 RN-131	• Complete, ultra low power (100mW wake, 10uW sleep) embedded TCP/IP solution • Module incorporates a 2.4GHz radio, processor, TCP/IP stack, real-time clock, crypto accelerator, power management, and analog sensor interfaces • The module supports adhoc and enterprise networking modes • **RN-131G** (Industrial grade) Operating temperatures -30C to +85C • **RN-131C (**Commercial grade) Operating temperatures 0C to +70C
 RN-134	• The RN-134 "SuRF" board has the flexibility to connect directly to a standard RS232 interface or through the TTL UART interface to embedded systems • Status LEDs and jumpers enable rapid prototyping and integrating into existing systems • RN-134 is built upon Roving Networks' RN-131G WiFly-GSX module • In the simplest configuration the hardware only requires four connections (PWR, TX, RX, GND)

 RN-121	• RN-121 has the complete feature set of the RN-131G
	• 3.3V TTL signaling
	• Configurations:
	  • **RN-123:** RN-121 with RS-232 interface (9-40V on board power regulation)
	  • **RN-125:** RN-121 with RS-485 interface (9-40V on board power regulation)