

Module 802.11b/g 2.48GHz 1000Kbps 44-Pin SMD Tray



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: Module

Product Type: RF Integrated Circuits

RoHS: RoHS Compliant/Lead free 

Lifecycle: NRND

General Description

Important Note:

Firmware version 4.83 provides fixes for the Key Reinstallation attack or 'Krack' vulnerability. The Firmware and Release Notes are available under the Documentation tab.

The RN131 is a full-featured 802.11 b/g Wi-Fi module, and a complete, ultra-low power embedded TCP/IP solution. The combination of ultra-low power and the ability to wake up, connect to a wireless network, send data, and return to sleep mode in less than 100 milliseconds, allows the RN131 to run for years on two standard AAA batteries. Using only 35mA when awake and 4µA when asleep, this remarkable power efficiency makes possible a new class of internet-enabled products. For evaluating the RN131 module, Microchip offers the RN-131-EK, an evaluation kit that can be used to quickly add Wi-Fi connectivity to embedded applications. As simple as plugging in a USB drive, it has the flexibility to connect directly to a PC via a standard USB interface or to embedded processors through the TTL/UART interface. Microchip also offers the small form factor 802.11 b/g RN171 Wi-Fi module for embedded Wi-Fi applications. For the latest firmware details and corresponding part numbers, please visit: www.microchip.com/wireless
Please consider this device ATWINC1500

Key Features

Ultra-low power design for battery powered applications

Available in industrial operating temperature, -30C to +85C (RN131G-I/RM) or commercial operating temperature, 0C to +70C (RN131C/RM)

Full onboard TCP/IP stack (no external drivers required)

Fixed transmit power: +18dBm

Hardware interface: UART and SPI slave

Supports softAP and infrastructure networking modes

User programmable GPIO & ADCs

Real-time clock for time-stamping, auto-sleep, and auto-wakeup modes

Runs directly from batteries (onboard battery boost circuit) or regulated power supply

Configuration over serial or wireless interface using simple ASCII commands

Over the air firmware upgrade

Secure Wi-Fi authentication schemes (WEP / WPA / WPA2)

Recommended For You

RN171-I/RM

Microchip Technology, Inc

MODULE

RN42-I/RM630

Microchip Technology, Inc

MODULE-35

RN42XVP-I/RM

Microchip Technology, Inc

MODULE-20

RN4870-V/RM118

Microchip Technology, Inc

MODULE-33

RN171XVU-I/RM

Microchip Technology, Inc

MODULE-20

RN42N-I/RM

Microchip Technology, Inc

MODULE

RN42-I/RM

Microchip Technology, Inc

35-SMD

RN4020-V/RM120

Microchip Technology, Inc

MODULE

RN2483A-I/RM105

Microchip Technology, Inc

MODULE

RN4871U-V/RM118

Microchip Technology, Inc

MODULE-17

RN1723-I/RM100

Microchip Technology, Inc

Module

RN4870-I/RM130

Microchip Technology, Inc

MODULE

RN42HID-I/RM

Microchip Technology, Inc

MODULE-35

RN52-I/RM116

Microchip Technology, Inc

Module

RN42SM-I/RM

Microchip Technology, Inc

MODULE-35