

MCU Partners

Renesas

Wi-Fi with R8C MCU

Wi-Fi with RX62N MCU

Wi-Fi with RX63N MCU

Wi-Fi with RL78

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Wi-Fi with Renesas RX62N MCU

A quick and easy solution for designs that require future-proof 802.11n connectivity, ultra low power operation and high performance in a single solution.

This RS-RX62N-2204 Wi-Fi Starter Kit is intended as a user-friendly development platform for users who want to develop applications on the RX62N microcontroller and use Redpine's RS9110-N-11-22 Wi-Fi module to connect to the network for data transfer. It also serves as an introductory and demonstration tool for the fully integrated (on-board antenna and frequency reference and embedded TCP/IP stack) Wi-Fi module from Redpine's Connect-io-nT family of modules using the RX62N MCU board from Renesas Electronics. The Kit includes the API Library for controlling the Wi-Fi module, Sample Code, an easy-to-setup Demo Firmware/Application along with Renesas Electronics' rich suite of development tools for coding and debugging - the High performance Embedded Workshop (HEW), RX compiler and on-board debugger.

Redpine Signals' Wi-Fi I/O Companion Card



Redpine Signals' Wi-Fi I/O Companion Card for the RS-RX62N-2204 Ultra Low Power Wi-Fi Starter Kit offers a flexible way of evaluating the features and performance of the Connect-io-n family's RS9110-N-11-22 module comprehensively. The module can connect to a Host system through UART or SPI. The module included in the Starter Kit uses SPI.

Connect-io-n™ Module



The RS9110-N-11-22 module from Redpine's Connect-io-n™ family of products is a complete IEEE 802.11bgn based wireless device server that directly provides a wireless interface to any equipment with a serial or SPI interface for data transfer. It integrates a MAC, Baseband processor, RF transceiver with power amplifier, a frequency reference, and an antenna in hardware; and all WLAN protocol, configuration functionality and networking stack in embedded firmware to make a fully self-contained 802.11n WLAN solution for a variety of applications.

Connect-io-n™ URL:

http://www.redpinesignals.com/Modules/Internet_of_Things/Connection_Family/RS-9110-N-11-22.php

RS-RX62N-2204 Wi-Fi Starter Kit :



SUPPORT



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SOFTWARE DOWNLOADS


[Source code for API Library and demo application on RX62N](#)

KIT CONTENTS

- ▶ CPU Board with RX62N
- ▶ Companion Card with RS9110-N-11-22
- ▶ Detachable LCD Display Module
- ▶ J-Link Onchip Debugger and Flash Programmer
- ▶ Connection Cable (USB Cable)
- ▶ USB Powered
- ▶ Printed Quick-Start Guide

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