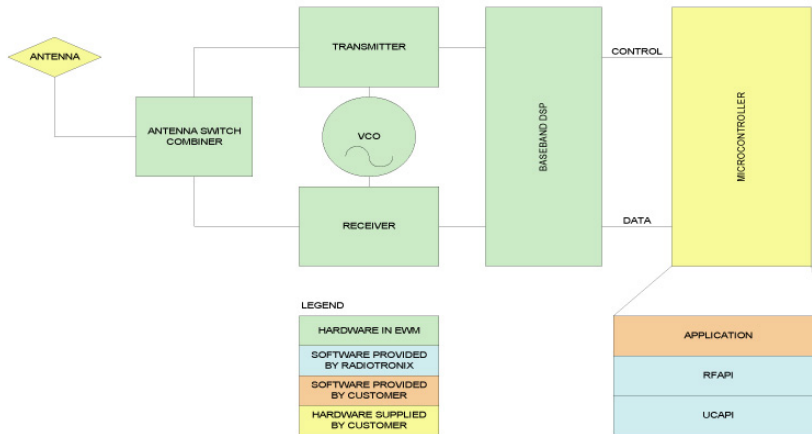


Embedded Wireless Module (EWM)



An embedded wireless module encapsulates all the circuitry required for the wireless link (except for the antenna) in a small IC-style package. Embedded wireless modules can be transmitters, receivers, or transceivers, depending on the application that they were designed for.

Module	Application	Description
RCT-433-AS	"Remote control, RFID"	SAW based single channel ASK/OOK transmitter. Very simple to use. No module programming required.
RCR-433-RP	"Remote control, RFID"	Super-regen single channel ASK/OOK receiver. Very simple to use. No module programming required.
RCR-433-HP	"Remote control, RFID"	Super-het single channel ASK/OOK receiver. Very simple to use. No module programming required. Higher performance than the RCR-433-RP
EWM-900-FDTC	Wireless audio	Full-duplex FM transceiver. 56 channels. Requires external microcontroller to load on-board registers to set channel and operating modes. Example code available
EWD-900-HDTC	"Home automation, AMR, RFID, Industrial Automation"	Half-duplex FSK data transceiver. 128 channels. Requires external microcontroller to load on-board registers and to handle MAC and link-layer protocols. Professional API is available

The EWM-900-FDTC(voice) and the EWD-900-HDTC(data) both require external microcontrollers to program the on-board registers required to set the channel and operating modes. Additionally, the user must supply the code for packetizing and de-packetizing the data to be sent and received. To simplify this job, we have excellent example code for the EWM-900-FDTC and a comprehensive, professional API for the EWD-900-HDTC. This code is provided free of charge with the provision that it only be used with our modules.

The embedded wireless module concept is designed to save you months of hardware design and debug time.