

Advantech AE Technical Share Document

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Category	■FAQ □SOP	Related OS	N/A
Abstract	How to use the 2 antenna RF interfaces in EWM modules for iRTU device		
Keyword	3G cellular, WiFi, EWM-C117FL04E, EWM-C109F6G1E, EWM-W150H01E, RF interface, antenna , wireless module		
Related Product	ADAM-3600, ECU-1152, ECU-1251		

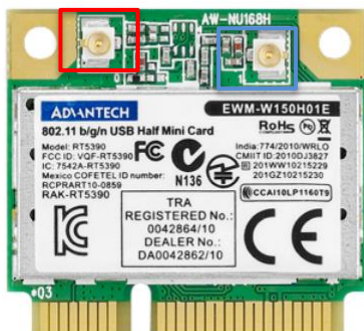
■ Problem Description:

This document explains how to use the 2 antenna RF interfaces in EWM modules for iRTU device.

■ Answer:

There are 2 Antenna RF interfaces in EWM modules (WiFi/3G/4G).

For example, EWM-W150H01E (WiFi) and EWM-C117FL04E (4G) module shows as below.



The primary RF interface (**ANT1**), indicated in **red square**, supports both TX and RX, providing the main connection of antenna. If the user only has one antenna, connecting ANT1 could make it normally.

The secondary RF interface (**ANT2**), indicated in **blue square**, supports RX only. It is used for 3G RX diversity and LTE MIMO 2x2 configurations. That is to say, connecting ANT2 may improve the signal quality.