



WIRELESS SOLUTIONS

# vPROTEAN™ EVAL KIT

The vProtean™ SDR is the ultra-flexible SDR with fantastic narrowband performance, in a highly integrated and fully programmable radio platform. The Evaluation Kit couples vProtean with a Carrier board and software to allow a user to quickly evaluate vProtean's capabilities and performance.

## PRODUCTS



### Features and Benefits

- Configurable RF front end with 20 dBm transmit power
- Frequency range of 30 to 6000 MHz
- Instantaneous bandwidth from 12 kHz to 40 MHz
- 2 TX and 2 RX operation
- USB and Ethernet host interface pins accessible
- On-board 512 Mb Flash
- On-board 4 Gb DDR3 SDRAM
- Pre-loaded software application with easy-to-use menu interface for radio configuration and control

### Package Contents

- vProtean Software Defined Radio card
- vProtean Carrier card
- 120V power supply
- USB cable for serial communications to a host PC
- 16GB micro SD card for storing and retrieving waveform files
- You supply the antenna, antenna cables and attenuators

### Accelerate Your Design

Let Vanteon's engineering team help you get your products to market faster with a proven, scalable SDR design.

Call us at 888.506.5677 or email [sales@vanteon.com](mailto:sales@vanteon.com)

### Eval Kit Features

The vProtean™ Evaluation Kit offers the following key features:

- Convenient Carrier card that mounts directly to the vProtean SDR
- Easy to use menu-based interface running on your host PC
- Ability to independently control both TX and RX channels
- Set the center frequency of each channel
- Toggle both TX and RX channels on/off
- Monitor the RSSI of both RX channels
- Select from a number of pre-defined waveforms to transmit
- Transmit a custom waveform that you load on the SD card
- Trigger and capture a specified number of RX samples to the SD card
- Monitor the FPGA and transceiver temperature

