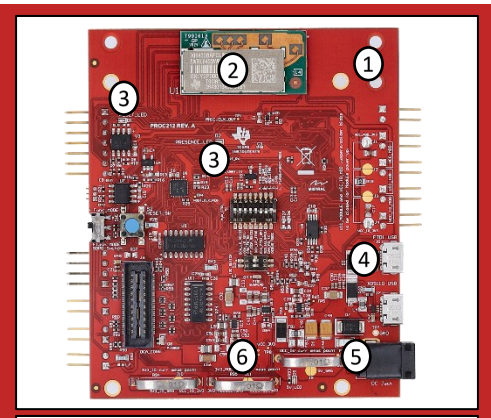
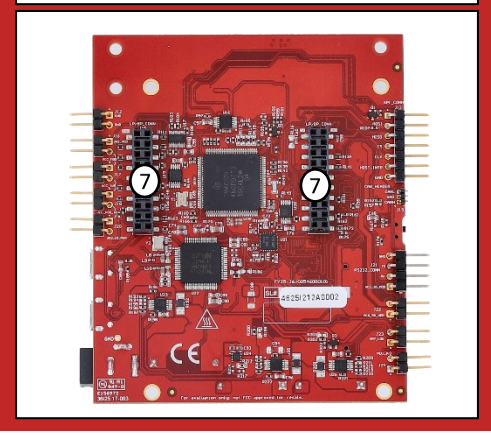


Top View

1. Evaluation module for easy evaluation and debugging capabilities
2. FR4-based IWRL6432WMOD with shielding, pre-certified (FCC,RED,TELEC) and 3D detection capabilities
3. Reset, Presence Detect LED
4. USB powered
5. Power Jack for External 5V Power
6. Standardized current loop for hall effect sensor based easy current measurements



Bottom View

7. Launchpad Booster-Pack Connectors

BP-IWRL6432WMOD EVM Quick Start Guide

BP-IWRL6432WMOD Evaluation Module

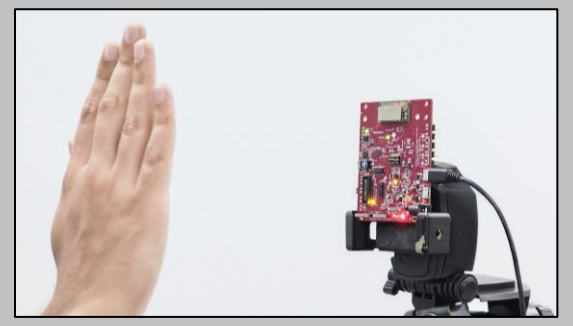
Industrial mmWave module evaluation board

PART NO. BP-IWRL6432WMOD

Jump start your design

Scan this QR Code to get instructions to start with BP-IWRL6432WMOD evaluation board for presence and motion detection with the IWRL6432WMOD module.

Get started at
ti.com/tool/BP-IWRL6432WMOD

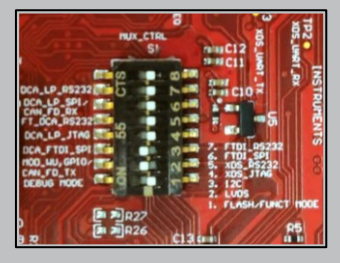


Autonomous mode presence detection

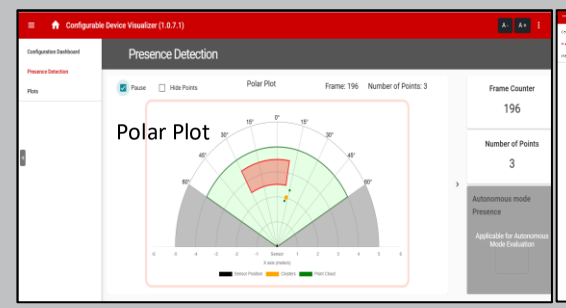
To test the presence detector, connect the BP-IWRL6432WMOD to the FTDI USB power supply (J5). When you bring your hand close to the EVM, the dedicated presence detect LED blinks.

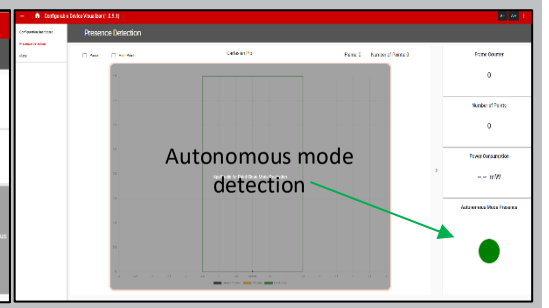
Default switch settings (S1) to enable TI demonstration using mmWave uDFP.

- Connect the EVM FTDI USB using the micro-USB cable to host PC.
- Make sure of the switch settings shown in Figure.
- Use TI mmWave uDFP visualizer to run the TI demo



BP-IWRL6432WMOD Simplified out-of-box demonstration





Simplified Configuration in visualizer

- Connect the EVM to PC via FTDI USB port (J5)
- Run the visualizer available inside the mmWave uDFP download (get mmWave uDFP in https://www.ti.com/tool/BP-IWRL6432WMOD)
- Go to **Presence Detection** section to evaluate device in autonomous mode
- Set up the region of interest in Polar/Cartesian space
- Configure sensor using sliders
- Evaluate in point cloud mode

- Simplified slider-based configurations
- Simplified Sensor Configuration - Max Range, Sensitivity and Update Rate
- Advanced configurations for advanced users

Find more details on the mmWave uDFP Documentation on: www.ti.com/product/IWRL6432WMOD
Find more demonstrations of mmWave sensors for various applications and hardware reference designs in:

Radar toolbox
https://dev.ti.com/tirex/explore

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