

# TiTAN development board

TiTAN Project LLC

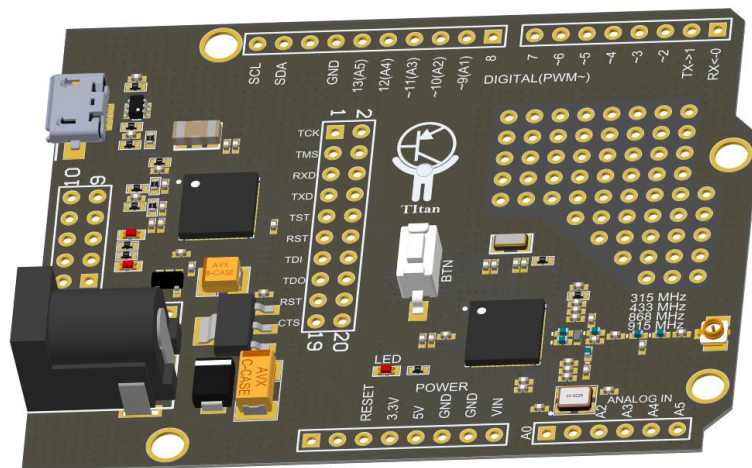
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TiTAN development board is an Arduino-compatible hardware platform, contains MSP430 family MCU with the integrated Sub-1GHz transceiver with real-time clock (CC430F5137). The output high-frequency channel is available for four frequency ranges: 315, 433, 868 and 915 MHz



Integrated debugger programmer and free Code Composer Studio software with a set of examples and basic libraries allow to master the target MCU quickly. Hardware compatibility with Arduino expansion boards and the layout field allow rapid end devices development.

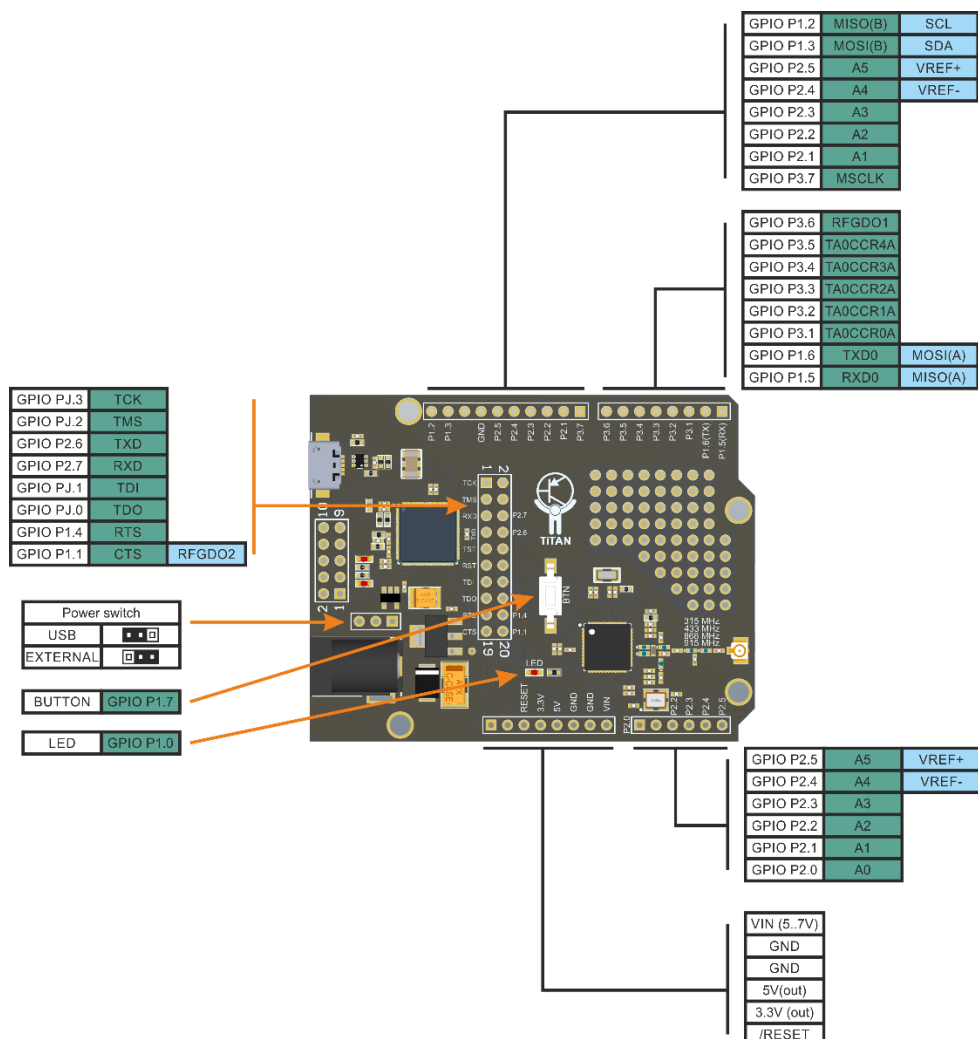
The data transfer format is Proprietary (end user's own protocol).

The MCU contains 32KB Flash and 4KB RAM.

# Main technical specifications

MCU:	CC430F5137 (SoC MSP430 core & RF core CC1101)
GPIO:	17 + 8
Max core frequency:	20 MHz
RF core crystal:	26 MHz
Flash:	32 KB
RAM:	4 KB
ADC12:	6 ext, 4 int channels
Debugger:	Present (ezFET-LITE)
RF optional:	315/433/868/915 MHz
External power:	USB or +5..+7V
Form factor:	Arduino compatible
IDE:	Texas Instruments Code Composer Studio IDE IAR Embedded Workbench Keil MDK Arduino IDE GCC

## Board pinout



# Product kit

1. TiTAN development board— 1 pcs;
2. Antenna cable — 1 pcs;
3. 2.54 mm contact connectors:
  - 6p — 1 pcs
  - 8p — 2 pcs
  - 10p — 1 pcs

You can get more detailed information on our website

<https://titan-project.com/> in «Blog» and «Software» sections.

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