

Z1 Platform

SKU 101990077


IN STOCK 30 Available

- 1 +

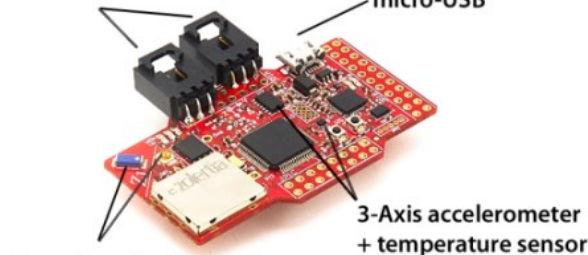
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[Description](#)
[Best-sellers](#)
[Technical Details](#)
[Questions and Answers](#)
[View History](#)

Description

The Z1 platform is a general purpose development platform for wireless sensor networks (WSN) designed for researchers, developers, enthusiasts and hobbyists. It is a platform compatible with the successful Tmote™ family motes with several enhancements that offers roughly a 2x performance in several aspects.

2 x Phidgets sensor ports

micro-USB



Ceramic embedded antenna

U.FL connector for external antenna

Z1 is equipped with a second generation MSP430F2617 low power microcontroller, which features a powerful 16-bit RISC CPU @16MHz clock speed, built-in clock factory calibration, 8KB RAM and a 92KB Flash memory. Also includes the well known CC2420 transceiver, IEEE 802.15.4 compliant, which operates at 2.4GHz with an effective data rate of 250Kbps. Z1 hardware selection guarantees the maximum efficiency and robustness with low energy cost.

Features

- Ultra-Low Power MCU and 2.4GHz Transceiver
- 2 x Digital Built-in sensors (temperature and 3-axis accelerometer)
- USB Programming Ready
- Flexible Powering: Battery Pack (2xAA or 2xAAA), Coin Cell (up to 3.6V), USB Powered, Directly Connected through two wires coming from a power source. USB VCC and GND pins are available on the digital buses expansion port. You can connect to this pins any power of source from 4V to 5.25V and it will be regulated to 5V and 3V.

Supported Operative systems

The Z1 mote has been extensively ported to several operating systems:

[Contiki OS](#)
[RIOT OS](#)
[OpenWSN](#)
[TinyOS](#)
[MansOS](#)

Online documentation

[Github](#)

Please find below more relevant information about your Z1 platform, such as the datasheet and pin-out, but also useful resources like specific how-to's and guides.

[Technical documentation](#)

Click on the title or [here](#) to browse the available documents. If you miss any other document, please drop us an email at support@zolertia.io

Part List

1 x Z1 Platform

Best-sellers



Rainbowduino LED driver ...



The AirBoard - prototypin...



2WD Arduino compatible ...



4WD Driver Platform V1.0

Technical Details

Weight	G.W 65g
Battery	Exclude

Questions and Answers

Have a question about this? Ask people who own it.



View History



Non-invasive AC Current S...



Non-invasive AC Current S...



315MHz Codec-Adaptive ...



Ultra Sonic range measur...

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