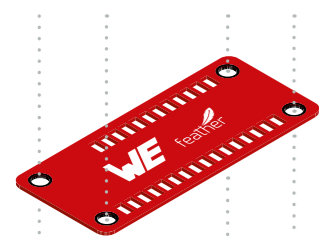


Adafruit Feather is a complete line of development boards that are both standalone and stackable. They're able to be powered by LiPo batteries for on-the-go use or by their micro-USB plugs for stationary projects. Feathers are flexible, portable, and as light as their namesake.

FeatherWings are stacking boards and add functionality and room for prototyping. At its core, the Adafruit Feather is a complete ecosystem of products - and the best way to get your project flying.

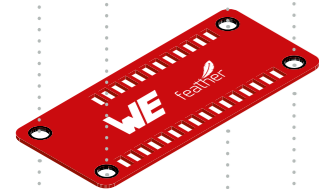
With our open-source Würth Elektronik FeatherWings you can dive into the existing ecosystem and add following functionalities with maximized compatibility :



### Sensor FeatherWing (2501000201291)

- Acceleration (WSEN-ITDS)
- Absolute Pressure (WSEN-PADS)
- Temperature (WSEN-TIDS)
- Humidity (WSEN-HIDS)
- Sparfun QWIC compatible to easily add hundreds of extension boards

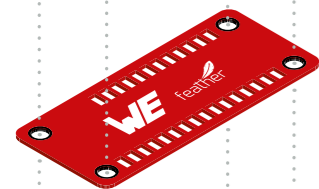
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94-98



### Thyone-I Wireless FeatherWing (2611059021001)

- Proprietary 2.4 GHz RF-Module
- Connecting wirelessly up to 300 m
- Easy build up network
- Connect to Thyone-I modules or USB-Sticks

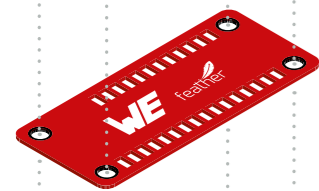
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### Calypso Wi-Fi FeatherWing (2610039025001)

- Wi-Fi-Connection 2.4 GHz
- Easy connection to Smart Devices
- Sending data to the server
- Handling multiple nodes

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### Magl³C Power FeatherWing (2601157100001)

Can be powered with 5 V USB connection and industrial input voltage rails of 9 V, 12 V, 15 V, 18 V and 24 V with maximum nominal input voltage of 36 V.

### Connect any FeatherWing Microcontroller

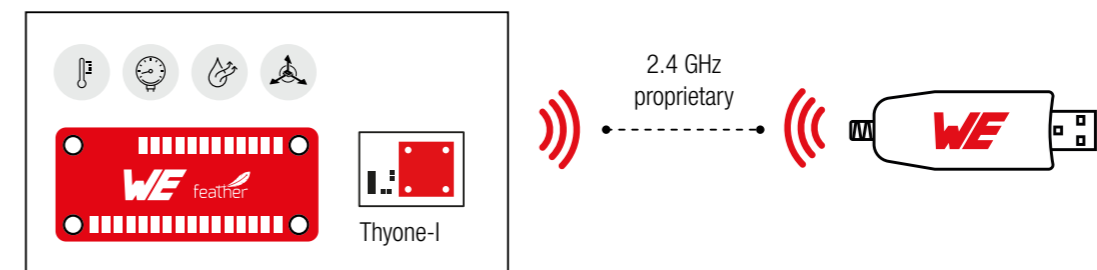
- Request sensor data
- Transfer data to RF-Module
- Examples and Sourcecode available on Github

## Example Scenario

Easily build your own Wireless Sensor Tag without the need of hardware development.

### Example 1: Built up a Proprietary Network

- Select a microprocessor of your choice from the Adafruit Feather ecosystem
- Use the Sensor FeatherWing for measuring condition parameters like temperature, air pressure, humidity and acceleration
- Send out data with Thyone-I FeatherWing on 2.4 GHz proprietary radio
- Thyone-I USB radio stick or another Thyone-I FeatherWing can receive the data and you get access to all information
- Even various Tags could be connected wirelessly
- We support you with libraries and examples available on Github for some microcontrollers



### Example 2: Connect with Wi-Fi

- Select a microprocessor of your choice from the Adafruit Feather ecosystem
- Use the Sensor FeatherWing for measuring condition parameters like temperature, air pressure, humidity and acceleration
- Send out data with the Calypso FeatherWing on 2.4 GHz Wi-Fi
- Receive data on smart devices or server structures

