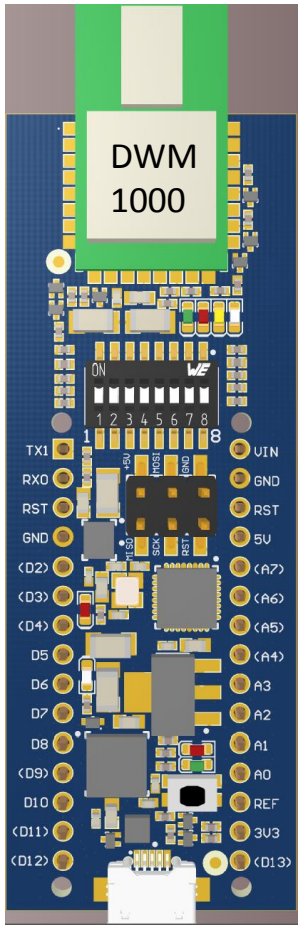
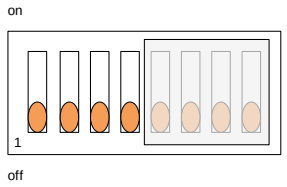
* size: 25x78 mm.
* Fully Arduino Nano compatible, except that some signals are used internally.
* DIP switch for setting address (1-16) and Anchor/Tag.
* Accelerometer: LIS2DH.
- DWM1000.
- 8-bit ATMEGA328-MUR CPU

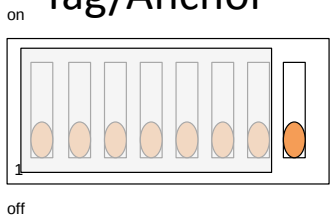


Addressing



1	2	Address
OFF	OFF	0
OFF	On	1
On	Off	2
On	On	3

Tag/Anchor



8	2
OFF	Anchor
On	TAG

Default Features in the ARM

Current update rate is 1-10 Hz, depending on how many anchors that are in use.

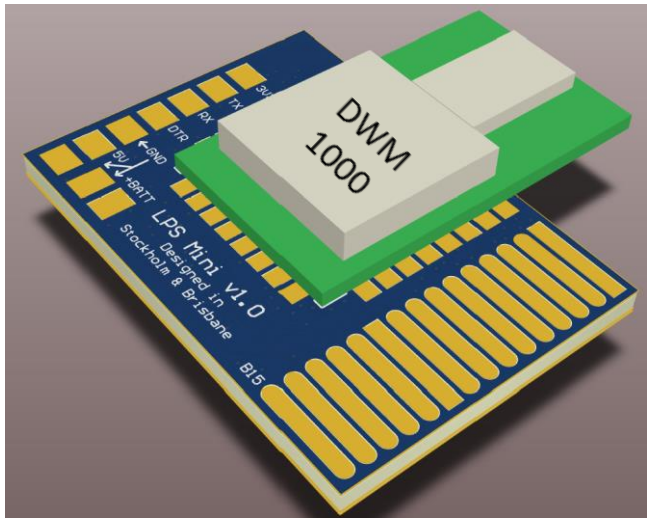
The current setup would not range with the EVK or at least not range well.
Essentially it's just a demo software to show off our and your hardware.

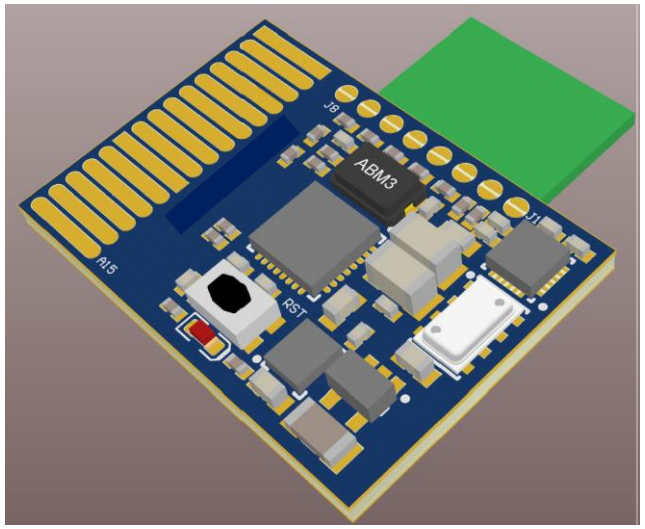
Default Configuration (can be changed using source code)

- Channel 5
- Prf: 16M
- Datarate: 110k
- preambleCode: 3
- preambleLength: 1024
- pacsize: PAC32
- nonstandard sfd: 1
- SFD timeout: (1025+64+32)
- 10Hz update rate

Note:
LPS are delivered with demo firmware that can measure distance between a tag and several anchors. Full source code (Arduino libraries and examples) and schematics are included for free.
Just as Arduino Nano can communicate using an UART, so can LPS. The USB port is connected to the MCU:s UART via 1k resistors (R10 and R11: _so if you are not connected to USB the external signal connected to the signals D0/RX and D1/TX will win over RX and TX from the USB chip.

- Size: 29x28 mm.
- Arduino Nano compatible, except that some signals are used internally. Stripped down to a minimum, so an external USB/TTL-cable is needed for connectivity to a laptop.
- 8-bit ATMEGA328-MUR CPU
- a PCB edge connector with all Arduino Nano I/O. Mates with TE Connectivity 5650712-1, but can be used stand-alone.





- Solder pads for setting address etc.
- Accelerometer, gyro and compass: MPU-9250.
- Altimeter: MS5611-01BA03.
- LiPo charger.
- DWM1000.

Note:
LPS mini are delivered with demo firmware that can measure distance between a tag and several anchors. Full source code (Arduino libraries and examples) and schematics are included for free.
Just as Arduino Nano can communicate using an UART, so can LPS mini. The USB port is connected to the MCU:s UART via 1k resistors (R10 and R11 so if you are not connected to USB the external signal connected to the signals D0/RX and D1/TX will win over RX and TX from the USB chip.