

	OpenRTLS	Pozyx	DecaWave	LPS/LPSmini	LPS2	sewio	Localino	Radino
<b>Host MCU</b>	<b>ATSAM4S2B</b>	<b>STM32F401RCT6</b>	<b>STM32-F105RC</b>	<b>ATMEGA328-MUR</b>	<b>nRF52</b>	<b>EFM32G</b>	<b>ATMega328P</b>	<b>STM32L151CC</b>
Architecture	ARM Cortex-M4	ARM Cortex-M4 32bit	ARM Cortex-M3	8bit	Cortex-M4F 32bit	Cortex-M3 32bit	8bit	Cortex-M3 32bit
Max. clock	120 MHz	84 MHz	72 MHz	12MHz		32MHz	12MHz	32MHz
Flash/RAM size	128kB/64kB	256kB/?	256kB/64kB	32kB/?	512kB/64kB	16-128kB/8-16kB		256kB/32kB
V supply	1.6-3.6V	1.7-3.6V	3.3	1.8V	1.7-3.6V	3V	1.8V	
Energy idle	1µA@1.8V & RTC	42µA-65µA @ 25 deg	1.2mA@125kHz, 3.3V, 25deg	750nA	1.9µA@3V with RTC on	900nA, wake on RTC	?	1.15µA, wake on RTC
Energy active	180µA/MHz	128µA with peripherals OFF	47mA@72MHz + peripherals	200µA@1MHz, 25deg	5.4mA with BLE RX/TX	180µA/MHz	?	185µA/MHz
<b>Peripherals</b>	<b>mUSB Port/JTAG</b>	<b>mUSB(UART)</b>	<b>mUSB/(UART)</b>	<b>mUSB</b>	<b>mUSB</b>	<b>?</b>	<b>Mini USB</b>	
IMU	LSM9DS0	yes	No	MPU-9250	yes	no	no	no
Temperature	HTS221	no	no	no	yes	no	no	no
Acceleration	LIS3DSH	no	no	MPU-9250		MMMA8543	no	no
Pressure	LPS25H	yes	no	MS5611-01BA03	yes	yes	no	no
Power	Qi, LiPo	5V Jack or USB	USB	LiPo, LP3982ILD	LiPo	LiPo	USB	
Additional Bus I/Fs	Ethernet, PoE	I2C, IREQ	SPI, UART, JTAG, <u>SMA</u>	No	no	No	I2C	I2C, SPI, 2xUART, <u>SMA</u>
Other wireless I/Fs	anchor has 802.15.4 at 2.4 GHz	no	no	no	BLE, optional Wifi	no	Optional 802.11 via ESP8266	no
<b>Firmware Access</b>	<b>No.</b>	<b>no.</b>	<b>? only if TREK1000 kit</b>	<b>no.</b>	<b>no</b>	<b>Maybe. HW layout available for license</b>	<b>After purchase using open source arduino libs</b>	<b>Yes</b>
<b>Hardware Design Access</b>	<b>Licenses only provides API and Examples</b>	<b>API and Examples are public</b>	<b>License available</b>	<b>Arduino libs for DW1000</b>	<b>No</b>	<b>On request</b>	<b>On request</b>	<b>Yes, but only Package and Pinout. No RF Schematics</b>
Cost	7000EUR (Starter Kit) 3000EUR (SW + HW Design)	135EUR per tag (or Anchor) 1000EUR for devel. kit	545USD for 2 Boards 925USD for TREK1000	160EUR out-of-stock	Not available	2850EUR for Td0A kit 500EUR for sniffer	63EUR for anchor	34.9EUR + ~15EUR for carrier board
Website	<a href="https://wiki.openrtls.com">https://wiki.openrtls.com</a>	<a href="https://www.pozyx.io">https://www.pozyx.io</a>	<a href="http://www.decawave.com">www.decawave.com</a>	<a href="http://www.loligo.se">www.loligo.se</a>	Not available	<a href="http://www.sewio.net">www.sewio.net</a>	<a href="http://www.localino.net">Wwww.localino.net</a>	<a href="http://wiki.in-circuit.de/index.php5?title=radino32_DW1000">http://wiki.in-circuit.de/index.php5?title=radino32_DW1000</a>