

Datasheet The Tactigon ONE rev1

<b>Physical Dimensions</b>		<b>Dimensions</b>	
<b>Height</b>	46,9	mm	
<b>Width</b>	15,2	mm	
<b>Depth</b>	5,5	mm	
<b>Weight</b>	8	g	
<b>Microcontroller</b>			
<b>Brand</b>	STMicroelectronics		
<b>Model</b>	STM32L151VEY6		
<b>Frequency</b>	32	MHz	
<b>Architecture</b>	32	BIT	
<b>RAM</b>	80	Kb	
<b>FLASH</b>	512	Kb	
<b>EEPROM</b>	16	Kb	
<b>Connectivity</b>			
<b>Bluetooth Low Energy</b>	BlueNRG-MS		
<b>USB</b>	Micro USB, for programming and recharging		
<b>GROVE</b>	4 pins GROVE with UART (rx/tx can act as GPIO)		
<b>Integrated Peripherals</b>			
<b>Temperature</b>	LPS25HB	-30..+105	°C
<b>Pressure</b>		260..1260	hPa (0,01hPa)
<b>3 Axis Accelerometer</b>	LSM6DS3	±2/±4/±8/±16	g
<b>3 Axis Gyroscope</b>		±125/±250/±500/±1000/±2000	dps
<b>3 Axis Magnetometer</b>	LIS3MDL	±4/±8/±12/±16	gauss
<b>Battery Charge Control</b>	STNS01 - STC3115		
<b>Led</b>	RGB Common Anode		
<b>Power Supply</b>			
<b>Battery</b>	Rechargeable LI-Ion - 3,7V		
<b>USB</b>	5V USB, power supply and battery recharge		
<b>Expansions</b>			
<b>SIGFOX</b>	In development		
<b>LoRa</b>	Third Party		
<b>GPS</b>	Third Party		
<b>Programming Language</b>			
<b>Arduino</b>	Downloadable Arduino CORE for The Tactigon		
<b>GPIO - UART</b>			
<b>J502</b>	2 GPIO		
	2 GPIO (used also as RX3/TX3)		
<b>J503</b>	2 GPIO		
<b>GROVE</b>	2 GPIO (used also as RX1/TX1)		
<b>Power Consumption</b>	16mA		
<b>Data Source</b>	ACTIGON_SCH_CL_RV1_.pdf RV 1.0	28/09/2017	