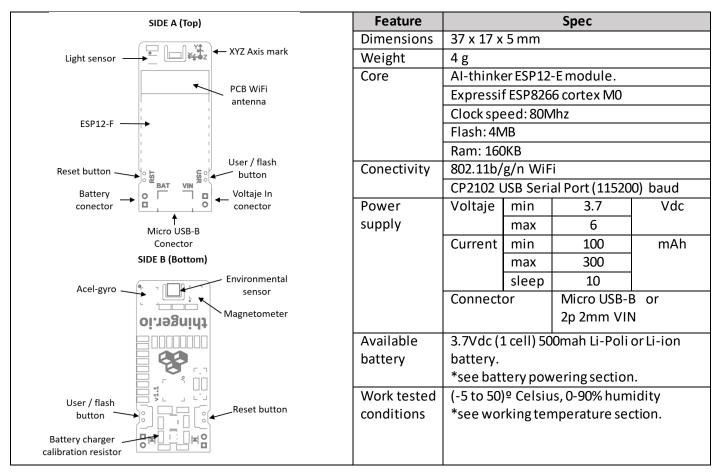
Thinger.io *ClimaStick* v1.0 Quick start guide

This board is a complete Internet of Things development kit, that integrates a full programable WiFi transmissor and all environmetal and inertial sensors you will need to create tons of connected projects easily than ever, thanks to thinger.io libraries and infraestructure.

1. GENERAL INFORMATION



Feature		Spec					
Embeded	Sensor	Variable	Range	Resolution	Accuracy	Condition	
Sensors	BME280	Temperature	(-40,85) ºC	0.01 ºC	(<u>+</u> 0.5 , <u>+</u> 1) ºC	*See temperature	
(I2C)						sampling section	
		Relative humidity	(0,100)%Rh	0.01 %Rh	(<u>+</u> 1 , <u>+</u> 3) %Rh	(0,60) ℃	
		Barometric pressure	(300, 1100) hPa	0.18 hPa	(<u>+</u> 0.1 , <u>+</u> 1)hPa	TCOP 25-65 °C, 900 hPa	
	TSL2561	Light	(0 , 65535) Lux	0.01 Lux	<u>+</u> 3.5 lux	(-30,70)ºC (0,95)%Rh	
	HMC5883	Magnetometer	(-8,8) gauss	(0.73 , 4.35)	(230 ,1370)		
				milli-gauss	LSB/gauss		
	MPU6050	Accelerometer	<u>+</u> 16 g	2048 LSB/g	15 LSB/g		
		gyroscope	<u>+</u> 2000º/sec	16.4º/sec	0.005dps/√Hz		
Voltaje	ADC	VIN / BAT voltaje	(0 , 5) Vdc	0.01 Vdc	0.1 Vdc		
sensor				(10 bit ADC)			
Buttons	1 Reset button		Pulled-up to 3.3Vdc, ground when is push				
	1 Flash / User button (GPIO-0)		Pulled-up to 3.3Vdc, ground when is push				
Other	Full RGB user programable LED		Up to 1024 analogic stepping per colour				
	Serial Port Tx LED						