



Product overview

CoolFox is a real-time geolocation, temperature and humidity monitoring device. It also includes an embedded alert button ("on Air" button) to trigger alarms which will have a particular meaning for each user.

The device can send data every *15 minutes to the cloud, using SigFox connectivity, which is a low data transfer protocol designed for the Internet of Things. This low-band transmissions allow larger battery life and does not need Wi-Fi, mobile or satellite coverage.

Benefits:

- Geolocation
- Accurate temperature and humidity sensors
- Alarm button
- Custom automated alarms
- Rechargeable battery
- Configurable periods
- Small size (85x48x15mm)
- Sigfox connectivity



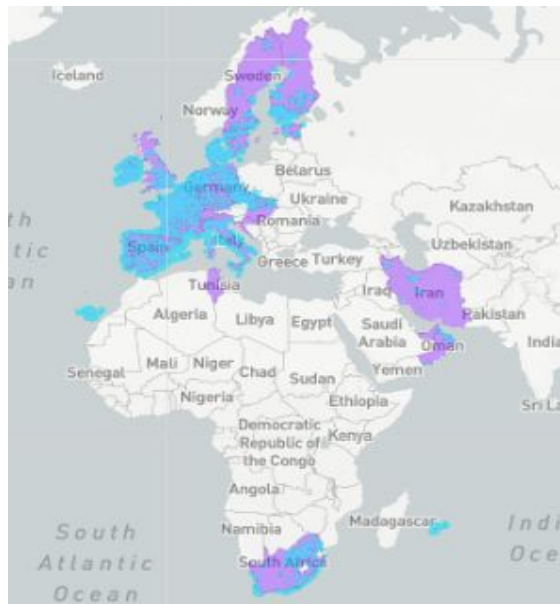
Combining CoolFox hardware together with our cloud platform creates a powerful monitoring system. Users can set alarms which will automatically get triggered when a custom condition is given, a message will be sent to warn the user about the event triggered.

Applications:

- Fleet management
- Cold-chain monitoring
- Outdoor loss prevention
- Real time alarm triggering

SIGFOX RC1 Coverage

- Live Coverage
- Under roll-out





Specifications

Operating Frequency	SIGFOX RC1 Uplink Only (868.0 - 868.6 MHz)
Geolocation	GPS Chipset MediaTek MT3337-E
*Sigfox Geolocation	Sigfox Atlas (2-5km accuracy)
Temperature Measurement Accuracy (-40°C to 80°C)	Typ. Tolerance +/-0.3°C Max. Tolerance +/-0.4°C
Relative Humidity Accuracy	+/-2%
Power supply	500mAh Li-Po Battery
Battery Charger	5V Micro-USB connector
Charging Status LED	Red Light Emitting Diode
Status Indicators LEDs	Blue and red Light Emitting Diodes
Radiated Power	max. 13.8 dBm
Radiated Power Class	0U
Temperature range	-40°C to +60°C
Dimensions	85x48x15mm
Material Housing	ABS (UL94HB)
Color	White
Human exposure	EN 50364
EMC	EN 301 489-1 v2.1.1 EN 301 489-3 v2.1.1 EN 301 489-19 v2.1.0
Conformity	Directive 2014/53/EU

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Product codes for ordering

CF	-	G	S	X	-	A	-	FF	
									G = GPS
		G							GPS included
		-							GPS not included
									S = Sensors
			S						Sensors
									X = GPS External Antenna (for GPS variants)
				X					GPS external antenna with MMCX connector
				-					With internal antenna
									A = Application
						I			IoT Tracking (less accurate, less consumption)
						T			Fleet Management (quick and accurate, needs continuous power supply, just for GPS variants).
									FF = Frequency band
								EU	Sigfox RC1 (868Mhz-868.6Mhz)
								US	Sigfox RC2 (902Mhz-906Mhz)

Ordering examples:

- CoolFox with GPS, Sensors, internal antenna and IoT tracking application in Europe.
CF - GS - I - EU
- CoolFox with GPS, Sensors, external antenna and fleet management application in Europe.
CF - GSX - T - EU
- CoolFox with sensors with Europe frequency band
CF - S - I - EU