

# Versatile IoT Platform for Outdoor

The platform has been designed to meet the highest quality standards for low-power sensing and wireless communication. It features position tracking module, LPWAN connectivity and robust operation in the harsh environmental conditions. The platform is extensible with external sensors and interfaces. Full customization of the device is possible. The battery life-span is up to 5 years.



## Features

Temperature and humidity sensing

Shock and tilt detection

Position tracking

External sensors

LPWAN communication

Sub-GHz/IQRF low-power radio

Integrated SIM chip

BLE communication and firmware upgrade

High capacity battery (LiSoCL<sub>2</sub> 3.6 V)

Battery life expectancy at least 5 years

Integrated cryptochip

Dimensions (mm) 130(l) x 175(w) x 45(h)

## Applications



**Outdoor sensing**



**Beehive weight monitoring**



**Education**



**Water quality monitoring**

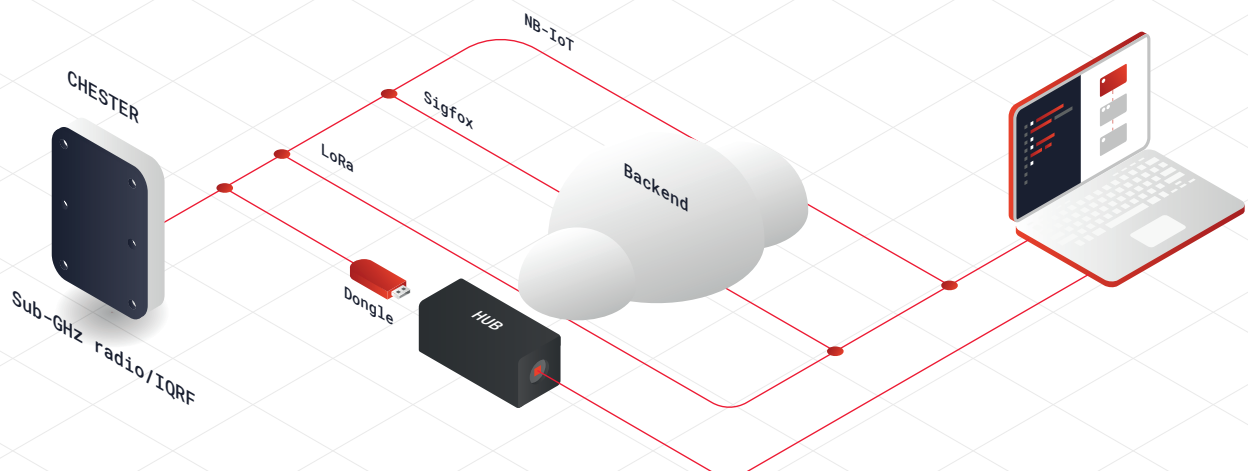


**Agriculture sensing**

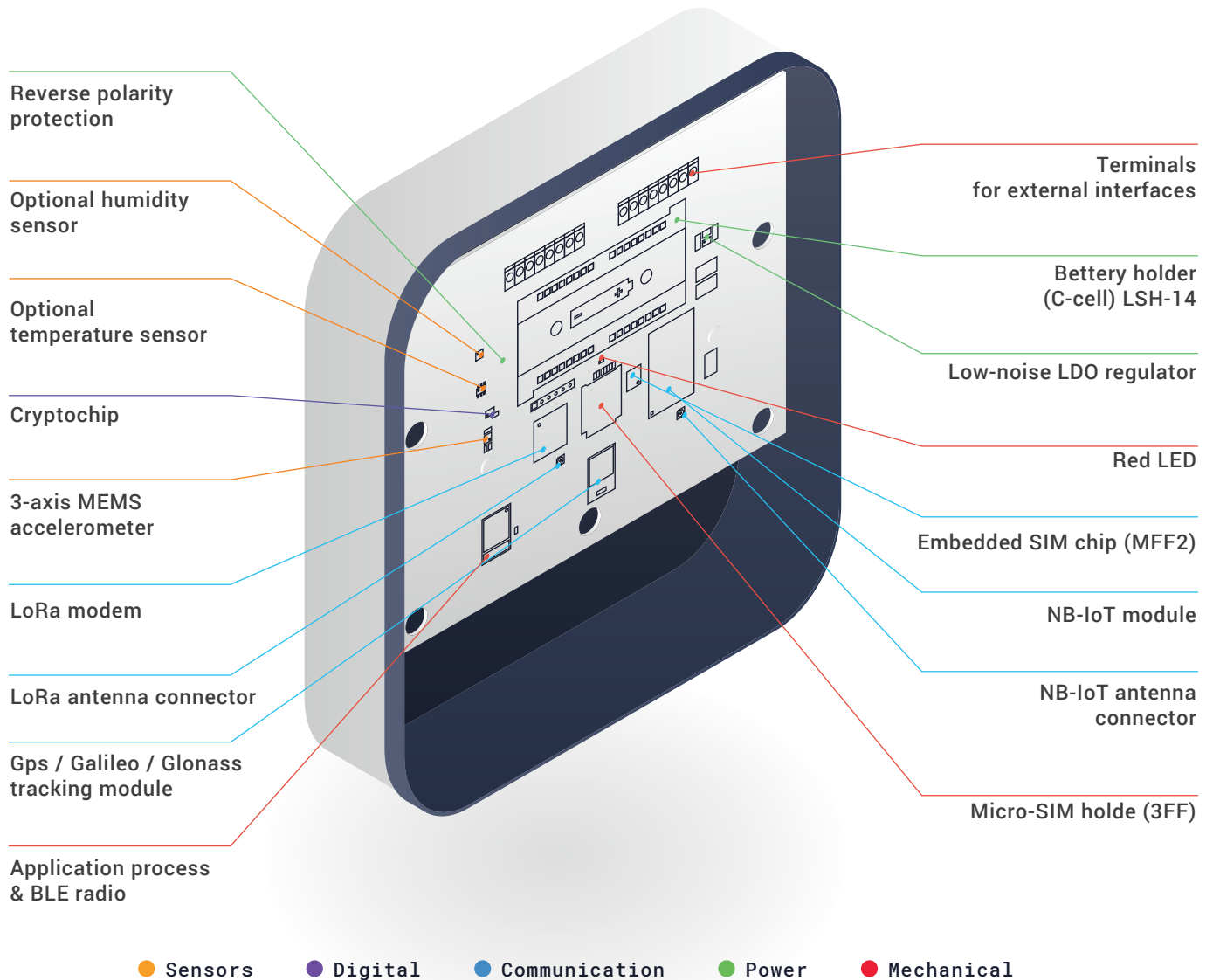


**Development kit for IoT**

## Communication



# What's inside



Parameter	Min.	Typ.	Max.	Unit
Battery supply voltage	3	3.6	4.2	V
Battery capacity		5.8		Ah
Measurement accuracy for temperature	-0.5		+50	° C
Measurement accuracy for humidity	-2		+70	%
Temperature range (operating)	-40		+70	° C
Temperature range (storage)	-40		95	° C
Relative air humidity range (operating)	0		95	%