

Multisensor IoT Platform for Indoor

The platform has been designed to meet the highest quality standards for low-power sensing and wireless communication. It features 11 built-in sensors, including state-of-the-art CO2 NDIR sensor. A full customization of the device is possible - colors, logo printing, sensor assembly, application behavior, and communication technology. The battery life-span of the platform is up to 3 years.



Features

Battery operation (3x AA 1.5V)

Sub-GHz/IQRF low-power radio

NB-IoT communication (optional)

LoRa communication (optional)

Sigfox communication (optional)

Bluetooth Low Energy (optional)

Push button with LED backlight (optional)

Loudspeaker for voice output (optional)

USB interface (with power support)

Firmware updates over USB

Integrated cryptochip

Dimensions (mm) 145(l) x 88(w) x 33(h)

Applications



Enviromental monitoring



Smart home



Education



HVAC systems

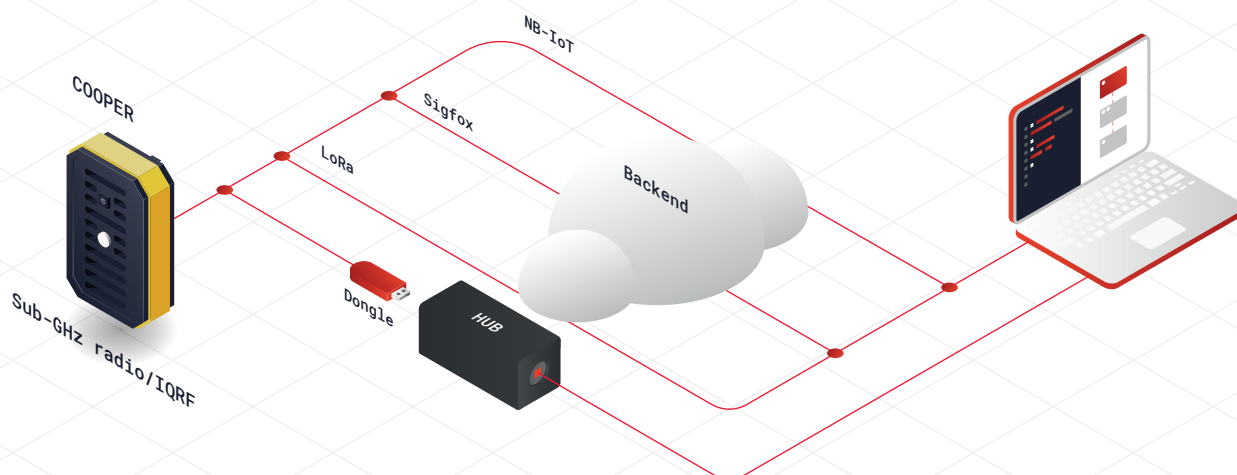


Facility management

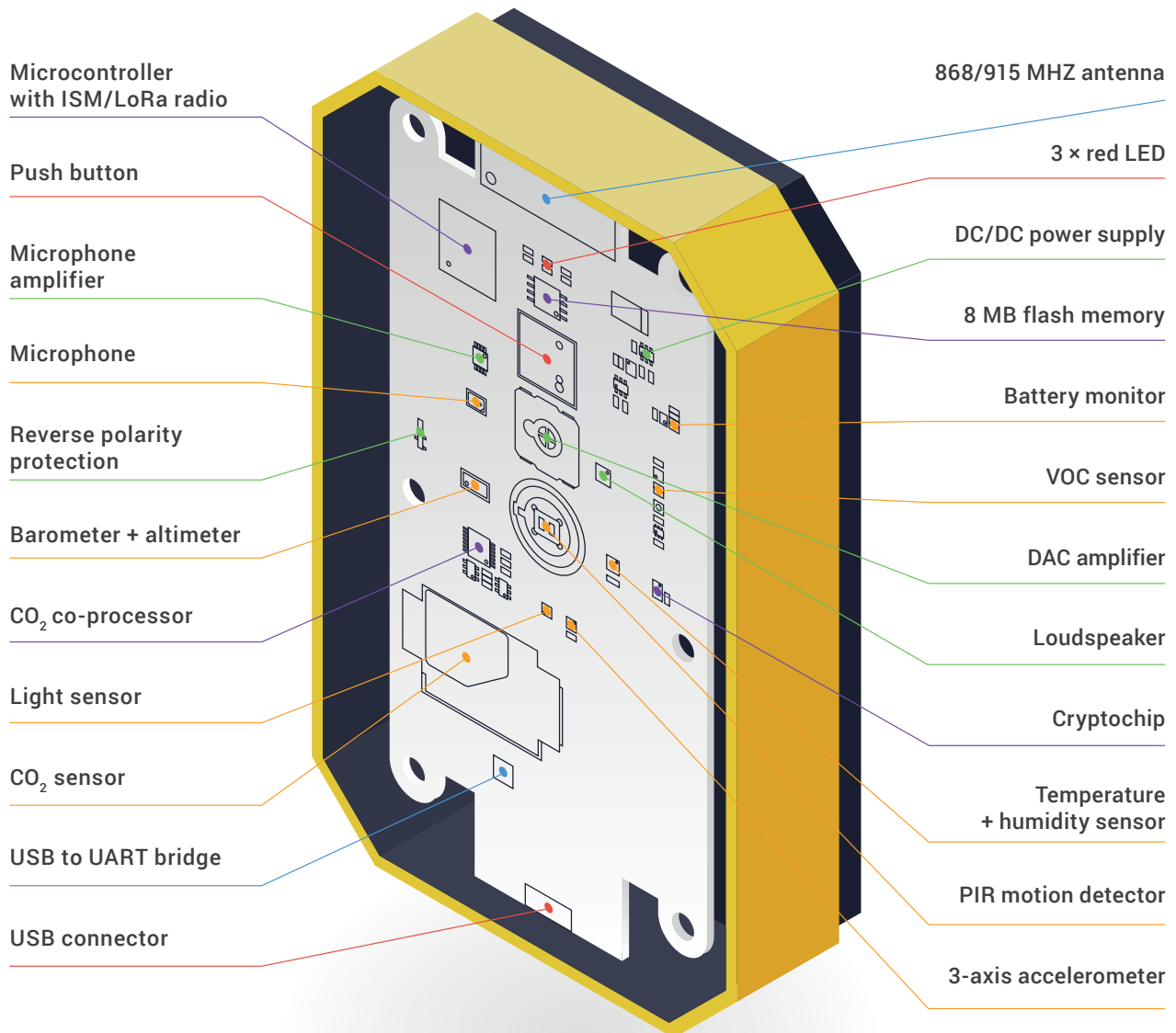


Development kit for IoT

Communication



What's inside



● Sensors
 ● Digital
 ● Communication
 ● Power
 ● Mechanical

Parameter	Min.	Typ.	Max.	Unit
Operating supply voltage	3.1		5.5	V
Idle current consumption		40		μA
Operating temperature range w/ CO ₂ sensor	0		+50	°C
Operating temperature range w/o CO ₂ sensor	-20		+70	°C
Storage temperature	-20		+70	°C
Operating relative air humidity	0		95	%
Storage relative air humidity	0		95	%