KONECTO

MerryIoT Air Quality CO2

BROWAN

The **MerryIoT Air Quality CO2** utilizes LoRaWAN connectivity to send the CO2 concentration data of the indoor environment. Measuring CO2 levels indirectly determines how crowded the room/space is, then the ventilation can be adjusted accordingly. It can help the administrators to maintain acceptable indoor air quality in the workplace for alertness and more productivity.

FEATURES

- Compliance to LoRaWAN1.0.3
- Integrated best-in-class 3 in 1 CO2 sensor with temperature and humidity sensor
- Measurement range: 400 ppm – 10000 ppm
- Accuracy: ±(30 ppm + 3%)
- IP40 equivalent

- Easy operation: Simply wave in front of the device to receive a color-coded visual indication of the overall air quality: Green (Good), Yellow (Fair), Red (Poor)
- Built-in alarm buzzer with sound pressure level 75 dB
- Press-and-play installation

Specification

Model Name	CD10
Frequency	EU 868 MHz US 902~928 MHz
Antenna Gain	-2dBi Peak
RF Sensitivity	-135dBm
Battery Type	3.6V AA Li-SOCl2 x 2 pcs, 5400 mAh
Battery Lifetime*	**About 2 years.** *Note: Battery life is mainly determined by the reporting frequency. Other factors include moisture and high temperature.
Average Current	160 mA maximum/ 20 mA minimum
Protocol	LoRaWAN 1.0.3
Operation Temperature	0 to 50°C
Environmental Rating	IP40 equivalent
Dimensions	90mm x 30mm x 70mm
Weight	124 g
Sensor	● Innovated CO_2 sensor: ● Measurement range: 400 ppm – 10000 ppm ● Accuracy: ±(30 ppm + 3%) ● Temperature sensor: ● Measurement range: - 40°C – 70°C ● Accuracy: ± (0.4°C) ● Humidity sensor: ● Measurement range: 0 %RH – 100 %RH ● Accuracy: ± 3 %RH
Type Approval	CE/FCC/IC approved.

SKU Detail

SKU	Country	Frequency Band (MHz)
CD10-915	USA	US915 (902~928)
CD10-868	Europe	EU868 (862~870)