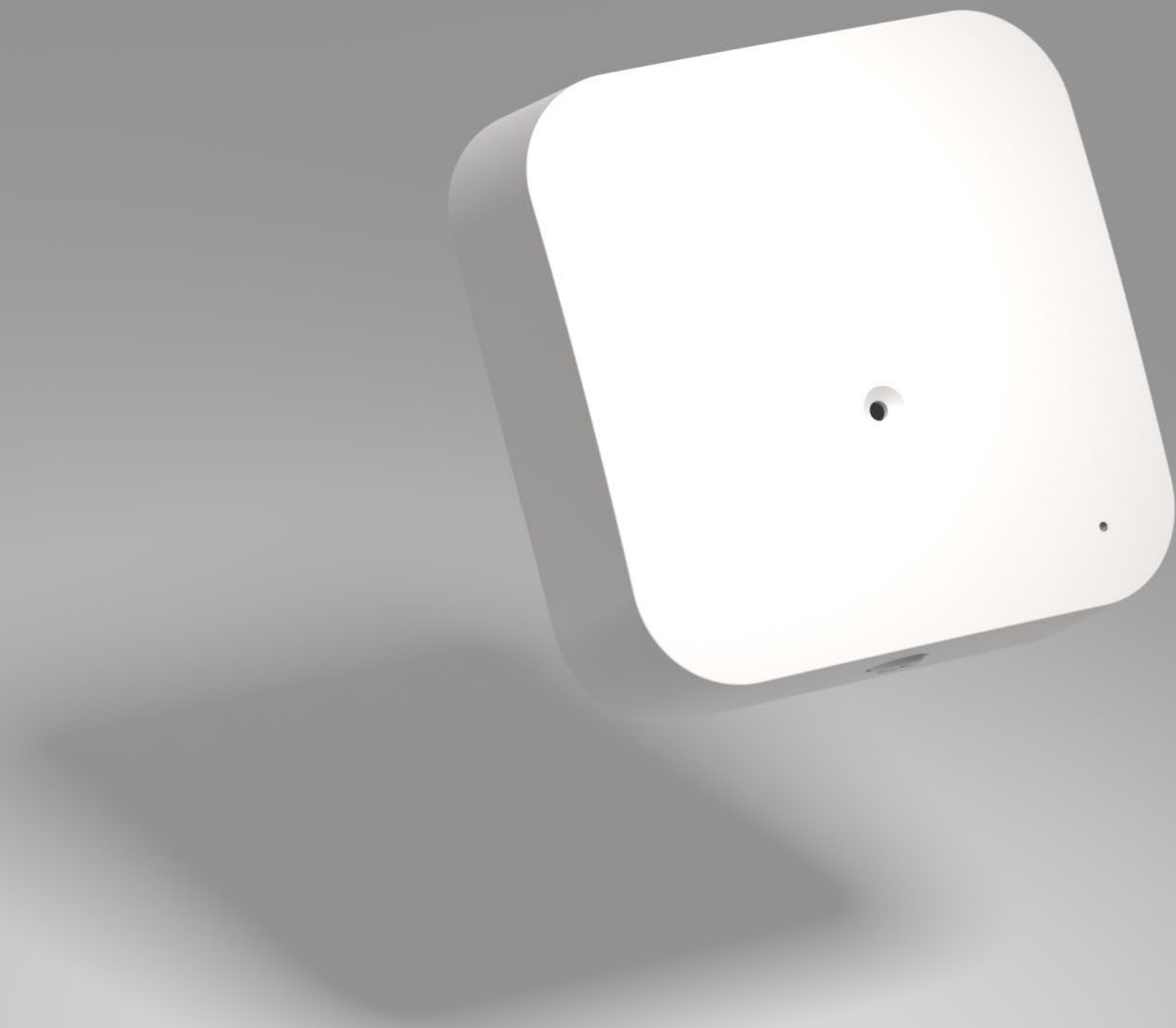


# AI Air Quality



The CROW Air Quality Monitor continuously tracks environmental conditions by detecting airborne pollutants helping maintain a healthier indoor environment.

## **Crow - Where Experience meets Innovation since 1977**

Leveraging decades of expertise and advanced technology, Crow is redefining security for today and tomorrow.

Since 1977, the Crow Group has delivered intelligent, high-performance solutions for residential and commercial environments offering a comprehensive portfolio of cutting-edge control panels and versatile wired and wireless peripherals that make homes and businesses safer and smarter.

Our solutions serve customers worldwide through a robust global network of distributors, professional installers and central monitoring stations.

Building on its long-standing leadership in security, Crow now combines deep expertise in artificial intelligence, video analytics and cloud technologies to offer next-generation solutions for Security, Monitoring, and Telecare.

## **CROW's Air Quality**

Take control of your indoor air quality.

Indoor air can be affected by smoke, volatile organic compounds (VOCs) and other pollutants. Building materials, furniture and household products may release VOCs over time. Efforts to secure your home by closing doors and windows can inadvertently trap carbon dioxide indoors. Furnaces and wood-burning heaters may generate carbon monoxide, while high humidity levels contribute to discomfort, mould growth, and poor air quality.

CROW Air Quality provides reliable monitoring to help you stay aware of these environmental factors.

# AI Air Quality



Wirelessly connects to any wall or surface to monitor air quality in the selected room.

# AI Air Quality



Ideal for monitoring air quality in residential and small commercial environments.

## Timeless Color Options



Available in sleek black or white to complement any interior design.

## **Continuous Air Quality Monitoring**

Continuously tracks indoor environmental conditions to support a healthier living space.

## **Pollutant Detection**

Detects harmful pollutants such as smoke and volatile organic compounds (VOCs) emitted from furniture, building materials and household products.

## **Carbon Dioxide Awareness**

Helps identify poor ventilation conditions caused by sealed windows and doors that may trap carbon dioxide indoors.

## **Air Pressure Monitoring**

Measures atmospheric pressure with high accuracy to support environmental awareness and trend analysis.



## **Humidity Level Monitoring**

Tracks humidity levels to help prevent discomfort, mould development and air quality deterioration.

## **Carbon Monoxide Awareness**

Provides early awareness of carbon monoxide risks generated by furnaces and wood-fuelled heating systems.

## **Wireless Long-Range Communication**

Utilizes secure two-way wireless communication with extended range for flexible installation and reliable system integration.

## **Temperature Measurement**

Delivers precise temperature readings to support comfort assessment and accurate air quality evaluation.

## **Certified Performance**

CE Compliant

# AI Air Quality



## Operation Method

Air Quality Sensor

## Frequency Band

ISM GFSK / OQPSK DSSS

868 - 869 / 902 - 928

Frequency And Output Power

Accurding To Local Regulations

## Events Transmission

Air Quality Alert, Tamper protection

Low Battery

## Supervision Time

7 min by default (configurable)

## Tamper Switch

Front cover removal & Back tamper

## Operating Temperature

-10°C to +55°C

( 33 °F to 122 °F)

## Battery Life

up to 5 Years

## Identification

Unique ID serial number – 32 bit

## Current Consumptions

Average 110uA

## Transmission Current

~55mA

## Pressure Range

300 – 1100 hPa – Accuracy  $\pm 1.0$  hPa

## Relative Humidity Range

0 to 100% – Accuracy  $\pm 3$  % RH

( $\pm 2$  % Hysteresis)

## Communication Range

1000m open space

## Power Supply

2 x Lithium batteries 1.5V AA Energizer L91

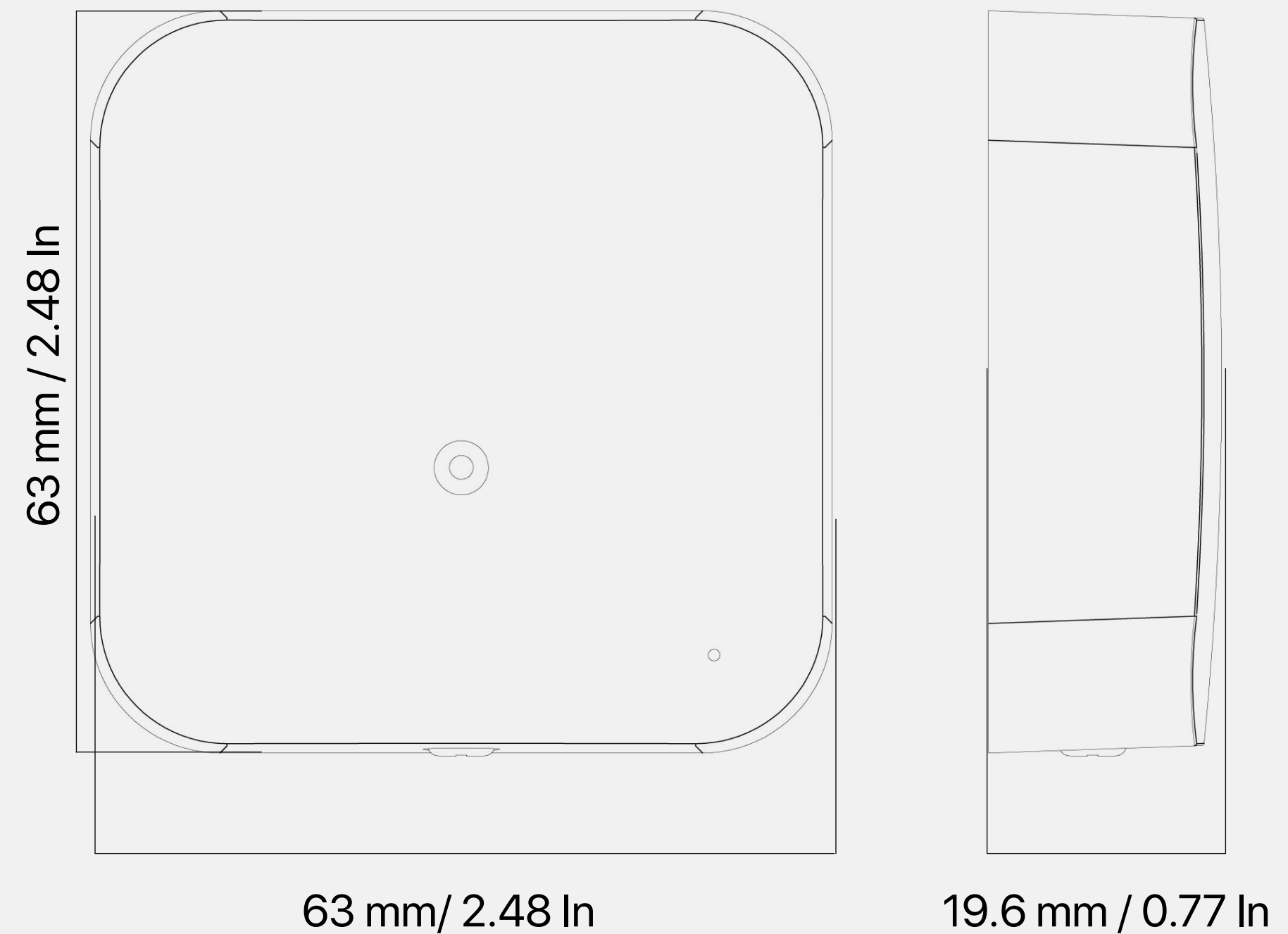
## Communication Protocol

Freewave2™ two-way & LBT

Multi Frequency

## Compliance

CE



# AI Air Quality



<b>IAQ Index</b>	<b>Air Quality</b>	<b>Impcat (Long-Term Exposure)</b>	<b>Suggested Action</b>
0-50	Excellent	Pure air; optimal for well-being	No action required
51-100	Good	No irritation or negative health impact	No action required
101-150	Lightly Polluted	Possible reduction in comfort	Ventilation recommended
151-200	Moderately Polluted	Increased irritation possible	Increase ventilation with fresh air
201-250	Heavily Polluted	Potential symptoms such as headaches depending on VOC type	Optimize ventilation
251-350	Severely Polluted	Increased risk of health issues if harmful VOCs are present	Identify contamination source; maximize ventilation and limit occupancy
351-500	Extremely Polluted	Headaches and possible neurotoxic effects	Identify contamination immediately; avoid occupancy and maximize ventilation

## Integrations and Partnerships

Crow empowers organizations to develop fully integrated security solutions by leveraging advanced systems that enhance IT infrastructure and maximize the potential of Crow products.

With a robust **API interface**, businesses can efficiently manage thousands of Crow security systems, seamlessly embed functionality into their own applications, and integrate smoothly with CRM, billing, and other third-party platforms.

Real-time updates from the **Crow Cloud** keep software and clients informed and responsive, providing unparalleled control and flexibility across the entire security ecosystem.

**Discover how partnering with Crow can revolutionize the deployment of security and automation solutions.**

**Contact us to learn more**

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