

# [ IoT基础室内空气净化管理系统 ]

## Smart Air Pollution Control System by IoT

### IoT基础室内空气净化管理系统

外部空气污染检测仪，内部空气污染检测仪，中央控制器，流入流出扇，厨房用热成像照相机。

每个仪器都采用无线相结合的仪器，便于移动和安装。

另外，由于安装了动作感应器，作为管理者移动设备，传递了关于空气污染的信息，并补充了火灾警报及盗切防灾等。

### ● 产品结构



01

空气污染测量装置



02

排气扇监督程序



03

无线话筒控制器

### ● 运转原理

- 1 通过自动监控系统检测室外空气污染。
- 2 室内空气污染率高于室外空气时，将室内空气排出室外，并把室外空气净化后输入室内进行循环。
- 3 室外空气污染率高于室内空气时，将室外空气净化，并把室内空气净化内部循环。
- 4 所有功能可用自动或手动模式。



外部及内部6种空气质量测定

粉尘 / 甲醛 / 二氧化碳 / 一氧化碳 / 湿度 / 温度



6种 LED 控照

很好/一般/很差/危险/危险



中央控制器

空气调节/设备控制



24小时空气污染监测系统

IoT控制



可用手机控制设备



小型尺寸测定仪



设置简便



附加设备 (感应器, 相机等)

火灾警报, 盗切, 事故

### ● 使用案例



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## Smart Air Pollution Control System by IoT

### Outdoor sensor box, Indoor sensor box, Central control box, Air ventilation fan, Thermo-graphic camera

Each device is connected wirelessly.

The equipments are compact size, so very easy to moved and installed.

And the operation sensor is built in, information about the air pollution degree is transmitted to the manager mobile device. Also, additional devices are available(Fire protection, stolen, accident)

### Product contents



01  
Air Pollution Meter Box  
Central Control Box



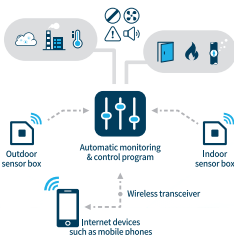
02  
Air Ventilation Fan  
Monitoring Programs



03  
Wireless Transceiver  
Operating Sensors

### Basic principle of motion

- Check 6 kinds of indoor & outdoor air condition levels.
- If indoor air pollution level is higher than outdoor air, indoor air is discharged outdoors, external air is filtered and supplied to the rooms.
- If the outdoor pollution degree is higher than indoor air, the outdoor air is blocked and the indoor air is filtered to circulate.
- All functions are available in automatic mode or manual mode.



Check 6 Kinds of indoor & outdoor air condition levels  
Fine dust / PM 10 / Formaldehyde / Temperature / Humidity



Alarmed by 5 steps LED signal  
Air condition status 5 steps  
Very good / good / normal / bad / very bad / danger



Air conditioning & ventilation equipment controlled at central control box



24 hours Air pollution monitoring system  
Controlled by IoT



Available for control by mobile devices (Smartphone)



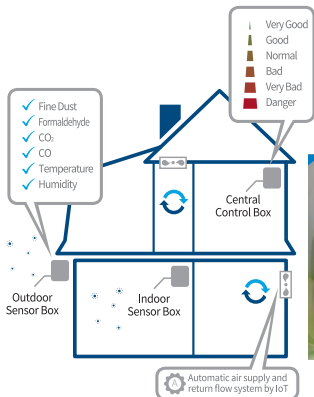
Compact size measuring device  
Air pollution system



Very easy to installed



Additional devices (Sensor, Camera, etc...)  
Fire Protection, Stolen, Accidents



### Application example

