Smart Indoor Air Quality Sensing Controller

Maintaining good indoor air quality is the most important foundation for human health.

GiA has the most complete air quality sensor built-in to detect indoor air quality pollutants listed by the World Health Organization (eg PM2.5, chemical gases such as carbon dioxide, formaldehyde, etc. and molds. Via intelligent computation judgement, the air purifier and ventilation equipment are interacted to keep indoor air fresh and free from outdoor air pollution.

The design of GiA can be integrated with the home décor. Through the easy-to-use touch interface, you can learn about indoor and outdoor air quality at any time, and you can also set intelligent control air purification equipment and manual situation control. At the same time, it also provides a mobile phone APP to instantly monitor the air quality of the home in any place where Internet access is available.

▶ The world's most comprehensive 12-in-1 air quality detector.

▶ First to develop fungi index and indoor air quality index

▶ Diversity communications interface connecting device, including 802.11, Ethernet, RS485 communications interface.

▶ Accredited by NCC, FCC, TAF and NTUT.

▶ The control system of modular air quality Utility Model Patent

▶ Smart Indoor Air Quality Sensing Controller Design Patent

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Specifications

Model	GiA-K007-8	GiA-K007-10	GiA-K007-11	GiA-K007-12
Dimension	200(W) x 167(H) x 40.5(D)			
Power	DC-12V/1A			
Display Interface	7"TFT LCD 1024x600 Resolution + Capacitive Touch Interface			
Wireless Communications	2.4 GHz Wireless Network 802.11 b, g, n,			
Wired Communications	Ethernet RJ45 10/100Mbps RS-485 Master Control Output RS-485 Slave Sensing Data Reading			
Sound	Built-in stereo output			
Others	USB 2.0 Host			
Sensor	PM2.5 PM10 TEMP. HUMI. CO2 TVOC IAQ AQI	PM2.5 PM10 TEMP. HUMI. CO2 TVOC HCHO FUNGI IAQ AQI	PM2.5 PM10 TEMP. HUMI. CO2 TVOC HCHO FUNGI CO IAQ AQI	PM2.5 PM10 TEMP. HUMI. CO2 TVOC HCHO FUNGI CO O3 IAQ AQI

PM2.5	Laser Active Sensor	0 - 1,000 µg/m^3 / Resolution 1 µg/m^3	Accuracy ±15% >100 or <100
PM10	Laser Active Sensor	0 - 1,000 µg/m^3 / Resolution 1 µg/m^3	Accuracy Relatively
CO2	NDIR	0 - 10,000 PPM / Resolution 1 PPM	Accuracy ±40 or ±3% of reading
TVOC	Semiconductor Type	0.05 - 6.00 PPM / Resolution 0.01 PPM	Accuracy Relatively
CO	Electrochemical Sensor	0 - 500 PPM / Resolution 1 PPM	Accuracy ±20 or ±5% of reading
HCHO	Electrochemical Sensor	0 - 5.00 PPM / Resolution 0.01 PPM	Accuracy ±15% (20-40 ℃)
TEMP.	Semiconductor Type	0 – 50.0 ℃ / Resolution 1 ℃	Accuracy ±1 (0-90)
HUMI.	Semiconductor Type	0 - 100% / Resolution 1%	Accuracy ±5
OZONE	Electrochemical Sensor	0 - 10.00 PPM / Resolution 0.01 PPM	Accuracy Relatively
FUNGI	Index	0 - 5,000 CFU/m^3 / Resolution 1 CFU/m^3	Accuracy ±25%