

Sensor Module - IAGM2

Particulate Matter Sensor Module

HIGHLIGHT FEATURES

- High precision PM2.5 / PM10 detection
- Fast response and recovery time
- Low power consumption with high efficiency
- Wide operating range : -10°C to 50°C and 15% to 90% humidity
- Seamless integration via I²C communication protocol, plug-and-play support
- Durable and maintenance-free operation



SPECIFICATIONS

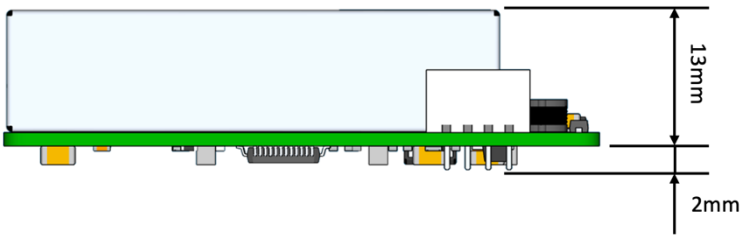
Model Name	IAGM2
Detection	PM2.5 / PM10
Principle	Optical Scattering (Laser)
Measurement Range (µg/m3)	0 ~ 1000
Resolution (µg/m3)	1
Accuracy (ppm)	±10±10% of Reading
Response Time (T90) (sec)	<10
Operating Temperature	-10°C ~ 50°C (Ta)
Operating Humidity (%RH)	15 ~ 90
Expected Operating Life	3 Years
Power Supply (V)	4.75 ~ 5.25
Power Consumption (mW)	110
Interface	I ² C
Dimension (L x W x H/mm)	58 x 48 x 15.5

ORDER INFO.

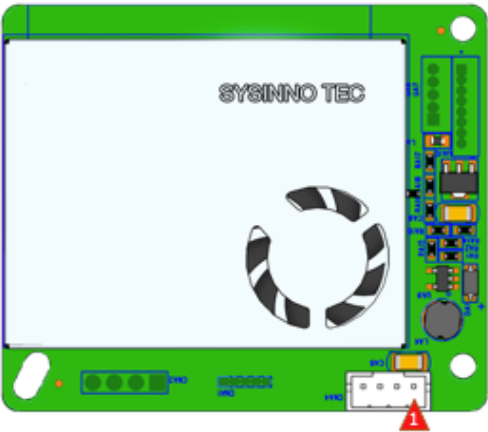
P/N	Description
EA3-2AAS2M0M006A2	IAGM2 PM Sensor Module

MECHANICAL DRAWING

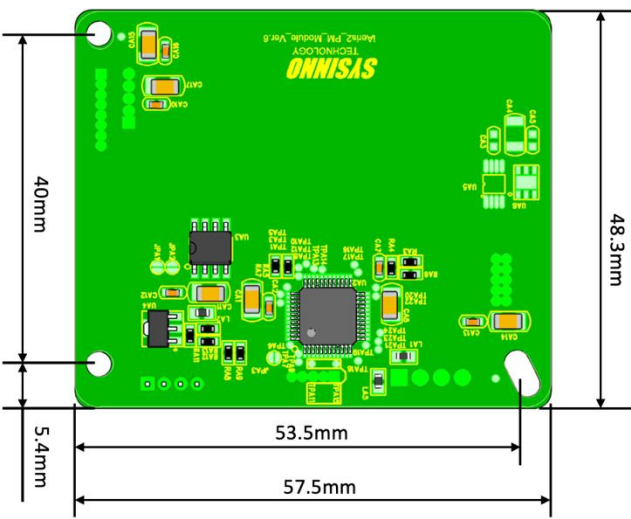
Slide View



Top View



Bottom View



PIN DEFINE



CN1

CN1 1 x 4 Pin Header

Pin	Signal
1	V _{DD}
2	SDA
3	SCL
4	GND