3-in-1 IAQ Sensor AM103 & AM103L

APPLICATIONS

- SMART OFFICES
- SMART STORE
- SMART CLASSROOM, HOSPITAL, ETC

FEATURES

MULTIPLE SENSORS
humidity, temperature & CO2

VISUAL DATA VIA E-INK SCREEN
to understand the comfort level easily

TRAFFIC LIGHT INDICATOR
to indicate multi-level CO2 threshold alarms

BUILT-IN NFC
for easy configuration

COMPATIBLE WITH STANDARD
LoRaWAN gateways & network servers

MILESIGHT IOT CLOUD
compatibility

>3 YEARS
work without replacing batteries

SPECIFICATIONS

Wireless Transmission

Technology	LoRaWAN ®

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Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137dBm @300bps
Mode	OTAA/ABP Class A

Sensors

Temperature

Range	-20°C to + 70°C
Accuracy	0°C to + 70°C (+/- 0.3°C), -20°C to 0°C (+/- 0.6°C)
Resolution	0.1°C

Humidity

Range	0% to 100% RH
Accuracy	10% to 90% RH (± 3%), below 10% and above 90% RH (± 5%)
Resolution	0.5% RH

Carbon Dioxide (CO2)

Range	400 to 5000 ppm
Accuracy	± (30 ppm + 3 % of reading)
Resolution	1 ppm

Display & Configuration

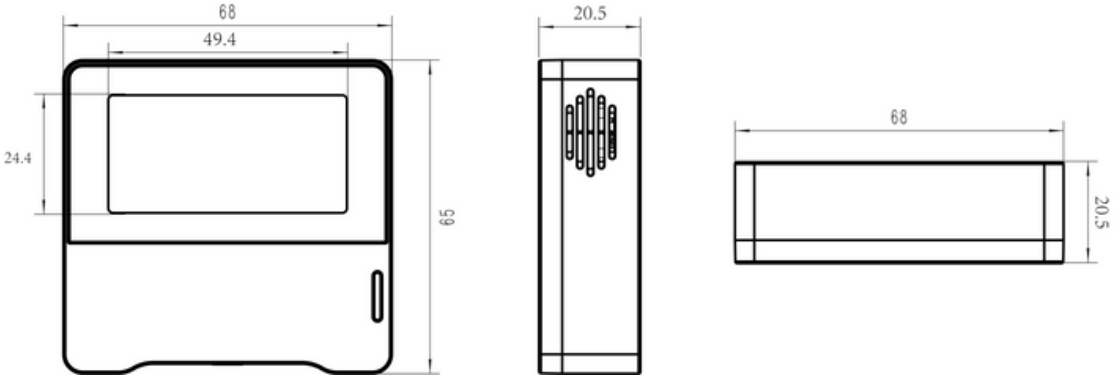
Display	AM103: 2.13-inch Black & White E-Ink Screen AM103L: Not Support
Button	1 × Power Button
LED	1 × Traffic Light Status Indicator
Configuration	Mobile App via NFC

Physical Characteristics

Power Supply	2 × 2700 mAh ER14505 Li-SOCl2 Replaceable Batteries
Battery Life (10 min interval)	AM103: Around 3 Years AM103L: Around 4 Years
Operating Temperature	-20°C to +60°C (E-Ink Screen: 0°C - 40°C)
Relative Humidity	0% to 95% (non-condensing)
Ingress Protection	IP30

Dimension	68 × 65 × 20.5 mm (2.68 × 2.56 × 0.81 in)
Installation	Wall Mounting

DIMENSIONS (MM)



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