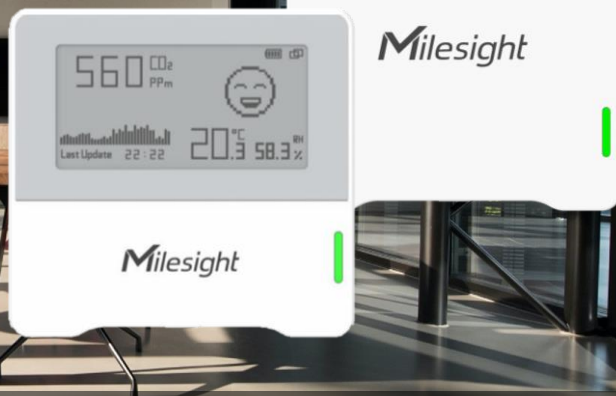


AM103/AM103L



Indoor Air Quality

Sleek, Attractive and Compact Design

The AM103 series is ideal for Indoor Air Quality applications, measuring:

- Temperature
- Humidity
- CO2

AM103 comes with a E-ink display showing real-time data as well as an emoticon communicating IAQ levels:



AM103L comes without a display.

Both AM103 and AM103L supports a LED indicating the IAQ quality level.

The AM103 series:

- Is applying two Li-SOCl₂ batteries, providing more than three years of battery life.
- Is equipped with NFC for mobile app configuration (Android and iOS).
- Is compliant with standard LoRaWAN[®] gateways and network servers.
- Is widely applied in offices, stores, classrooms, hospitals, kindergartens, etc.

AM103/AM103L

Milesight



Indoor Air Quality

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Wireless transmission

Technology	LoRaWAN®
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

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

CO2 (Carbon Dioxide)

Range	400 - 5000 ppm
Accuracy	±30 ppm or ±3 % of reading
Resolution	1 ppm

Specifications are according to the manufacturer and might change without any notice

Sing Go Tech

AM103/AM103L

Milesight



Indoor Air Quality Sleek, Attractive and Compact Design

Physical characteristics

Power supply	2 × 2700 mAh ER14505 Li-SOCl2 replaceable batteries
Battery life at 10 min interval	More than 3 years
Operating Temp.	-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

Display and configuration

Display	AM103: 2.13-inch black & white E-Ink screen AM103L: No display
Button	1 × Power button
LED	1 × Traffic light IAQ status indicator
Configuration	Mobile App or notebook via NFC



Gateway UG65

AM103/AM103L



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Dimensions in millimeters (mm)

