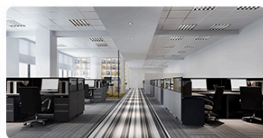


Product	 AM102(L) 2-in-1 IAQ Sensor	 AM103(L) 3-in-1 IAQ Sensor	 AM307(L) 7-in-1 IAQ Sensor	 AM308(L) 8-in-1 IAQ Sensor	 AM319(L) 9-in-1 IAQ Sensor
Sensors	Temperature Humidity	Temperature Humidity CO2	Temperature Humidity CO2 Light PIR/Motion TVOC Barometric Pressure	Temperature Humidity CO2 Light PIR/Motion TVOC Barometric Pressure PM2.5&PM10	Temperature Humidity CO2 Light PIR/Motion TVOC Barometric Pressure PM2.5&PM10 HCHO/O3 (Optional)
Battery Life*	7~9 Years	3~4 Years	3~4 Years	1~1.5 Year	/
Power Supply	2 x 2700 mAh Li-SOCI2 Batteries	2 x 2700 mAh Li-SOCI2 Batteries	4 x 2700 mAh Li-SOCI2 Batteries 5VDC by USB	4 x 2700 mAh Li-SOCI2 Batteries 5VDC by USB	5VDC by USB
Buzzer			✓	✓	✓
Screen Emoticon		✓	✓	✓	✓
Multiple Screen Display Mode			✓	✓	✓
Installation	Wall Screw Mounting 3M Tape Mounting		Wall Screw Mounting 3M Tape Mounting		

IAQ series is designed to cater to different indoor air quality monitoring and user requirements, equipped with varying numbers of sensors for targeted indoor air quality monitoring. The series ranges from basic temperature/humidity sensors to models with up to 10 different detection parameters. With different product sizes, various screen sizes, and unique displays such as e-ink screens, these products seamlessly blend into architectural styles while effectively meeting the practical needs of air quality monitoring.



Building



Office



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EBDS Wireless & Antennas

09 72 36 76 46

info@ebds.eu

www.ebds.eu



LoRaWAN®

**2-in-1 IAQ Sensor
AM102(L)**

**3-in-1 IAQ Sensor
AM103(L)**

**7-in-1 IAQ Sensor
AM307(L)**

**8-in-1 IAQ Sensor
AM308(L)**

**9-in-1 IAQ Sensor
AM319(L)**

Frequency Band	CN470 / IN865 / EU868 / RU864 / US915 / AU915 / KR920 / AS923-1&2&3&4	CN470 / IN865 / EU868 / RU864 / US915 / AU915 / KR920 / AS923-1&2&3&4	CN470 / IN865 / EU868 / RU864 / US915 / AU915 / KR920 / AS923-1&2&3&4	CN470 / IN865 / EU868 / RU864 / US915 / AU915 / KR920 / AS923-1&2&3&4	CN470 / IN865 / EU868 / RU864 / US915 / AU915 / KR920 / AS923-1&2&3&4
Sensitivity	-137 dBm Sensitivity @300bps	-137 dBm Sensitivity @300bps	-137 dBm Sensitivity @300bps	-137 dBm Sensitivity @300bps	-137 dBm Sensitivity @300bps
Output Power	16dBm(868 MHz)/20dBm(915 MHz)/19dBm(470 MHz)	16dBm(868 MHz)/20dBm(915 MHz)/19dBm(470 MHz)	16dBm(868 MHz)/20dBm(915 MHz)/19dBm(470 MHz)	16dBm(868 MHz)/20dBm(915 MHz)/19dBm(470 MHz)	16dBm(868 MHz)/20dBm(915 MHz)/19dBm(470 MHz)
Protocol	V1.0.2 or V1.0.3	V1.0.2 or V1.0.3	V1.0.2 or V1.0.3	V1.0.2 or V1.0.3	V1.0.2 or V1.0.3
Work Mode	OTAA/ABP Class A	OTAA/ABP Class A	OTAA/ABP Class A	OTAA/ABP Class A	OTAA/ABP Class C
Compatible Network Servers	Mainstream LNS, like TTN, Chirpstack, Everynet, Actility, Lorient, Senet, etc.	Mainstream LNS, like TTN, Chirpstack, Everynet, Actility, Lorient, Senet, etc.	Mainstream LNS, like TTN, Chirpstack, Everynet, Actility, Lorient, Senet, etc.	Mainstream LNS, like TTN, Chirpstack, Everynet, Actility, Lorient, Senet, etc.	Mainstream LNS, like TTN, Chirpstack, Everynet, Actility, Lorient, Senet, etc.

Sensors

Interfaces

E-ink Screen	AM102 Only, 2.13-inch	AM103 Only, 2.13-inch	AM307 Only, 4.2-inch	AM308 Only, 4.2-inch	AM319 Only, 4.2-inch
Button	1 × Power/Reset	1 × Power/Reset	1 × Power+ 1 × Reset	1 × Power+ 1 × Reset	1 × Power+ 1 × Reset
NFC	√	√	√	√	√
USB	/	/	√	√	√
LED Indicators	√	√	√	√	√
Buzzer	undefined	undefined	√	√	√

Software

Configuration	NFC	NFC	NFC or USB	NFC or USB	NFC or USB
Screen Emoticon	/	AM103 Only	AM307 Only	AM308 Only	AM319 Only
Multiple Screen Display Mode	/	/	√	√	√
Threshold Alarm	√	√	√	√	√
Calibration	√	√	√	√	√
Data Storage & Retransmission	√	√	√	√	√
Milesight IoT Cloud Management	√	√	√	√	√

Physical Characteristics

Power Supply	2 × 2700 mAh Li-SOCL ₂ Batteries	2 × 2700 mAh Li-SOCL ₂ Batteries	4 × 2700 mAh Li-SOCL ₂ Batteries or 5VDC by USB	4 × 2700 mAh Li-SOCL ₂ Batteries or 5VDC by USB	5VDC by USB
Battery Life*	7~9 Years	3~4 Years	3~4 Years	1~1.5 Year	/
Ingress Protection	IP30	IP30	IP30	IP30	IP30
Dimensions	65 x 65 x 20.5 mm	65 x 65 x 20.5 mm	100.8 x 114 x 22 mm	100.8 x 114 x 22 mm	100.8 x 114 x 22 mm
Operating Temperature	-20°C to +60°C (E-Ink Screen: 0°C - 40°C)	-20°C to +60°C (E-Ink Screen: 0°C - 40°C)	-20°C to +60°C (E-Ink Screen: 0°C - 40°C)	-20°C to +60°C (E-Ink Screen: 0°C - 40°C)	-20°C to +60°C (E-Ink Screen: 0°C - 40°C)
Relative Humidity	0% to 95% (non-condensing) at 25°C/77°F	0% to 95% (non-condensing) at 25°C/77°F	0% to 95% (non-condensing) at 25°C/77°F	0% to 95% (non-condensing) at 25°C/77°F	0% to 95% (non-condensing) at 25°C/77°F
Installation	Wall Screw Mounting, 3M Tape Mounting	Wall Screw Mounting, 3M Tape Mounting	Wall Screw Mounting, 3M Tape Mounting	Wall Screw Mounting, 3M Tape Mounting	Wall Screw Mounting, 3M Tape Mounting

* The condition is 10 minutes' reporting interval and test under laboratory conditions and for guideline purposes only.