

LoRaWAN[®] Ambience Monitoring Sensor

9in1

- AM319
- AM307

- Temperature
- Humidity
- PIR
- Light
- TVOC
- Barometric Pressure
- CO₂ CO₂
- PM2.5 & PM10
- HCHO
- O₃ O₃



Milesight AM307/AM319 is an all-round ambience monitoring device designed for indoor air quality monitoring. It collects various indoor ambience conditions through 9 built-in sensors, and delivers the data to both mobile App and its 4.2 inch E-ink screen, to help you to understand the indoor comfort & health level visually.



Emoticon Indication

Indicating comfort level by emoticon on screen



Traffic Light Indicator

Presenting ambience conditions in a tri-color LED



Better Screen Display

Light & dark color theme with three display styles



Anti-Theft Design

Preventing the device being taken away thoughtlessly

		Specifications		
		AM319	AM307	
Hardware	Model	AM319	AM307	
	Screen	4.2 inch E-ink		
	LED & Buzzer	1 × Traffic Light Status Indicator, 1 × Buzzer		
	Configuration	NFC (mobile App & NFC reader with PC), USB Type-C port		
	Frequency	CN470/RU864/IN865/EU868/AU915/US915/KR920/AS923-1&2&3&4		
	Work Mode	OTAA/ABP, Class C	OTAA/ABP, Class A	
Power Supply		5V/1A via Type-C Port	4 × 2700 mAh ER14505 Li-SOCl ₂ Batteries	
Sensors	Temperature	Range	-40°C - 85°C	
		Accuracy	±1°C	
	Humidity	Range	0% - 100% RH	
		Accuracy	±3%	
	PIR	Detection Area	80 ° Horizontal, 55 ° Vertical	
		Detection Distance	5 m	
	Light	Range	0-60000 Lux (Determine as 6 levels, 0-5)	
	TVOC	Range	0-500 (IAQ Index)	
		Accuracy	±15%	
	Barometric Pressure	Range	300 - 1100 hPa (-40°C - 85°C)	
		Accuracy	±0.6 hPa	
	CO ₂	Range	400 - 5000 ppm	400 - 2000 ppm
		Accuracy	± (30 ppm + 3% of reading)	± (50 ppm + 5% of reading)
	PM2.5 & PM10	Range	0 - 1000 µg/m ³	
Accuracy		0-100 (±10µg/m ³), 100-1000 (±10 %)		
HCHO*	Range	0 - 6 mg/m ³		
	Accuracy	±10%		
O ₃ *	Range	0 - 10 ppm		
	Accuracy	±5% FS		

* This function is valid in the measurement of either HCHO or O₃.