



AirSuite™ ASCM1420 Glance LTE

Specifications

Connectivity

NETWORK MODE

Cellular LTE-M (LTE Cat-M1)
NB-IoT-compatible

MODEM

nRF9160

NETWORK BANDS

B1, B2, B3, B4, B5, B8, B12, B13,
B20, B25, B26, B28, B66

UKCA + CE + RCM + FCC + ISED

REAL-TIME APP CONNECTIVITY

BT Low Energy (BLE) v5.2

Physical specifications

ENCLOSURE MATERIAL

ABS plastic

WATERPROOF/DUSTPROOF

No

DIMENSIONS

110mm x 110mm x 36mm

WEIGHT

230g

OPERATING TEMPERATURE

-10°C to +60°C

Power

3-5yr long-life internal battery, or;
5V DC Micro USB (1A) - power
supply/cable sold separately

BATTERY TYPE

Li-SOCl₂

BATTERY WEIGHT

100g

BATTERY CAPACITY

10,800 mAh

*Battery not included with optional PM or CO
sensor configuration.*

Mounting

Standard wall-mount or optional
hard-wired permanent install kit

Memory

24 hours of persistent data
retention

Reporting Interval

TO MOBILE APP (VIA BLE)

1 minute

TO CLOUD (VIA LTE)

15 minutes (default) - configurable,
with optional power saving modes

What is it?

AirSuite Glance LTE (ASCM1420) shows the latest information and alerts immediately on its built-in low-power e-paper display, designed with clarity and simplicity in mind.

Glance is super quick to install, and extremely reliable, lasting more than three years on its built-in battery, and connecting to the Internet via the Spark IoT network.

This makes it especially suitable for usage in the following situations:

- Empowering occupants to respond to current conditions.
- Rapid deployment for large numbers of sensors.
- Locations where it would be difficult to connect to power.
- Deployment on sites without a secure Wi-Fi network for IoT.

Installation

Mount the sensor in the desired location using the provided wall-mount kit, and hold down the reset button to turn it on. That's it!

The sensor comes pre-provisioned and will start reporting immediately.

Optionally, use the AirSuite app for Android or iPhone/iPad to re-deploy or give your sensor a name. Sensors can also be redeployed from the management portal.

Data access

Environmental data is periodically pushed to the cloud platform via a secure private APN.

Data can be accessed through a variety of secure channels.

- AirSuite Monitor Portal provides fleet management, advanced data visualisations and analysis tools.
- Apps for Android & iOS provide to-the-second data retrieval and real-time alerting.
- APIs allow programmatic retrieval of datapoints.

In the box:

- Sensor unit (ASCM1420)
- Wall mounting kit
- Deployment Instructions



All of your organisation's AirSuite sensors can be managed from your computer, phone, tablet or even TV screen via the **AirSuite Monitor Portal**, which gives you access to fleet management, advanced visualisations, data export functionality and analysis tools.

Talk to us to book a demo.

Sensor Specifications

Measurement	Operating Range	Unit	Typical Accuracy	Resolution	Drift	Technology	Calibrated by	Calibration Interval
Temperature	-40 - 125	°C	± 0.3	0.1	<0.03/y	SBG	Sensor manufacturer	5y
Humidity	0 - 100	%	± 2	1	<0.25/y	Cap.	Sensor manufacturer	5y
CO ₂	0 - 10,000	ppm	± 30, ± 3%	1	<4/y	NDIR	Sensor manufacturer	Auto
Light	0 - 80,000	lux	± 4%	1	-	PT	AirSuite	5y
Light (Red)	0 - 44,000	lux	-	1	-	PT	Sensor manufacturer	5y
Light (Green)	0 - 81,000	lux	-	1	-	PT	Sensor manufacturer	5y
Light (Blue)	0 - 15,000	lux	-	1	-	PT	Sensor manufacturer	5y
Sound	28 - 135	dBA	± 1	0.5	<1/y	SDM	AirSuite	5y
Pressure	300 - 1,100	hPa	± 0.6	1	-	AB	Sensor manufacturer	Auto
VOC	0 - 60,000	ppb	± 15%	1	<1.3%/y	MOx	Sensor manufacturer	Auto
CO*	0 - 5,000	ppm	± 5%	1	<5%/y	EC	AirSuite	5y
PM1, PM2.5, PM4 (e), PM10 (e)*	0 - 1,000	µg/m ³	± 10, ± 10%	1	-	Optical	Sensor manufacturer	Auto

* Carbon Monoxide (CO) and Particulate Matter (PM) are optional add-ons, and require mains power to operate. PM4 and PM10 mass concentration are estimated based on smaller particle counts.

Find out more or contact us at www.airsuite.com

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