

WIRELESS SENSOR



Sensor Node includes various sensors that monitor the quality of indoor air. It tracks an air quality index (by measuring various gases, including volatile organic compounds (VOC)), temperature, humidity, ambient light, noise and atmospheric pressure. Sensor Node uses the Wirepas Mesh connectivity software, which makes it perfect for large-scale networks. Product has integrated EXIoT and MS Azure support.

BAROMETER

Pressure range: 300-1,100 hPa. Typical error: +/- 1 hPa.

HUMIDITY

Operating range: 0-100% RH. Typical error: +/- 4%.

AIR QUALITY (VOC)

Detects a wide range of gases in order to measure air quality, including volatile organic compounds.

AMBIENT NOISE

Equivalent to the human hearing range, uses dB as the unit. It has an acoustic sensor, low noise input buffer and output amplifier. Omnidirectional, with RF immunity.

TEMPERATURE

High precision temperature sensor. Sensor accuracy up to +/- 0.2°C.

AMBIENT LIGHT

Equivalent to the human eye response. High accuracy requires a direct line of sight to the sensor (to the right of the Node button).

HAL

Magnetic proximity sensor.

PRODUCT FEATURES

- 2.4GHz / Wirepas Mesh
- Dual-MCU
- NRF52 (connectivity)
- STM32 (application)
- Battery: CR2477, 1000 mAh
- Operating temperature: 0 to +60°C
- Dimensions: ø41.5 mm x 14.9 mm

TOP CLASS SENSORS

- Air quality (VOC)
- Temperature and humidity
- Atmospheric pressure and altitude
- Ambient noise and light
- HAL sensor

TAILORED OPTIONS

IP67 rated structure

MOUNTING

- Magnets
- Mounting plates
- Adhesive

WIRELESS SENSOR

TYPE	ELECTRICAL NO. (FI)	DESCRIPTION	VOLTAGE	IP CLASS	MOUNTING	BATTERY
EXI-SN	2816600	Sensor	Battery	20	Surface mounting	Battery
EXI-SNL	2816604	Sensor, local	Battery	20	surface mounting	Battery