

PRODUCT CARD

Rhino Sensor - AQM

Air Quality meter. Measures air temperature and/or humidity, PM2.5 and PM10 concentrations, as well as air quality (VOcT and CO₂). Data transfer wireless via RF to the Rhino AP. Powered by external 5-12VDC power supply.



TECHNICAL PARAMETERS

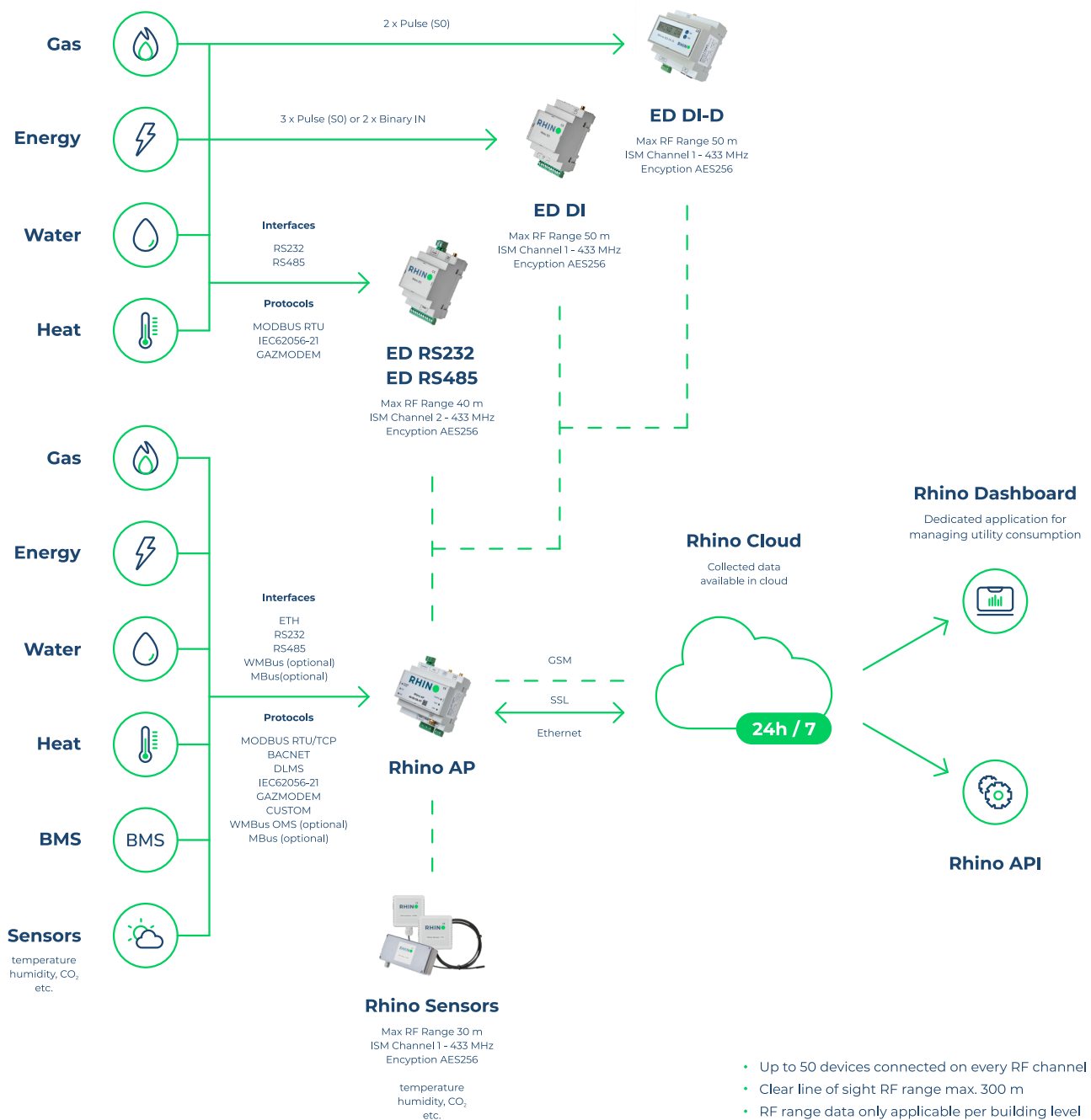
Rhino communication	Frequency range: 433MHz, ISM 1 channel
Power supply	5-12VDC (0.2A)
Temperature sensor	Range -40 °C - 85 °C Accuracy 0,5 °C
Humidity sensor	Range 0% - 100% - 25 °C *without moisture condensing inside the device Accuracy 3%
CO₂ VOcT levels	Air quality indicator with at least three levels: bad / moderate / good
PM1.0, PM2.5 and PM10 levels	Range: 0,3 - 1 µm PM 1 / 1 - 2,5 µm PM 2,5 / 2,5 - 10 µm PM 10 Measurement range: 0 - 500 µm Measurement accuracy: ±10% from 100 to 500 µg/m ³ ±10µ g/m ³ from 0 to 500 µg/m ³
Configuration	Over the Air (OTA)
Operating temperature range	-40 °C - 85 °C (depending upon installed environment) -10 °C - 60 °C with particle concentration sensor
IP Class	IP42 (double insulated)
Dimensions	102 mm x 160 mm x 55.5 mm
Weight	~0.3 kg
Required cable types	Signals thickness - 0.129-1.31 MM ² - 26-16AWG Power supply thickens - 0.205-3.31 MM ² - 24-12AWG

Got questions?
Contact us!

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Rhino System Topology



- Up to 50 devices connected on every RF channel
- Clear line of sight RF range max. 300 m
- RF range data only applicable per building level

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