



Aranet PRO Plus LTE base station

The core of the Aranet ecosystem. Aranet PRO Plus LTE base is powered by PoE 802.3af. The base can be connected to the internet via Wi-Fi, Ethernet or an integrated cellular 4G modem.

Aranet PRO Plus LTE base station

3 in 1: gateway, data storage, and web server

SensorHUB software included

Regions and versions

	ISM band ¹	Radio channels	Part Number
Europe	EU868	Ch1: 868.1 MHz Ch2: 868.3 MHz Ch3: 868.5 MHz	TDSBOB03
Americas	US920	Ch1: 917.3 / 922.9 MHz Ch2: 917.5 / 923.1 MHz Ch3: 917.7 / 923.3 MHz Ch4: 917.9 / 923.5 MHz	TDSBOBU3
Asia	AS923	Ch1: 923.1 MHz Ch2: 923.3 MHz	TDSBOBC3

Specifications

Receiver sensitivity	-127 dBm
Ports	Ethernet
SIM card slot	Standard size, flip type
Communication	Ethernet cable, local Wi-Fi 2.4 GHz, 4G LTE
Power	PoE 802.3af
Local data storage space	10 years of measurements of 100 sensors ²
Data protection methods	XXTEA, HTTPS, password-protected user accounts
User interface languages	English, French, Spanish, Russian, Latvian
Integrations ³	MQTT, Modbus

General

Ingress Protection	IP67
Operating temperature	-40 °C to +60 °C (-40 °F to 140 °F)
Dimensions	180 x 120 x 45 mm (7.09 x 4.72 x 1.77 in)
Weight	250 g (8.8 oz)
Enclosure material	PC plastic

Compliance

CE	Conformité Européenne
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¹ Band of the radio spectrum reserved internationally for industrial, scientific and medical purposes.

² Aranet4 sensor with 5-minute TX interval chosen for calculation.

³ Additional licenses are required