Sensors
Cellular
Wi-Fi
Ethernet
System
Power

802.3af

Network reset

Aranet PRO+ base station

The core of the Aranet ecosystem. Aranet PRO+ base is equipped with an industrial power supply PoE 802.3af. The base can be connected to the internet via Wi-Fi, Ethernet or an integrated cellular 4G modem.

aranet

Aranet PRO+ base station

3 in 1: gateway, data storage and web server
SensorHUB software included

Regions and versions

	ISM band[1]	Radio channels	with LTE modem	w/o LTE modem
Europe	EU868	Ch1: 868.1 MHz Ch2: 868.3 MHz Ch3: 868.5 MHz	TDSBOB03	TDSBOA03
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	TDSBOAU3
Asia	AS923	Ch1: 923.1 MHz Ch2: 923.3 MHz	TDSBOBC3	TDSBOAC3

Specifications

Receiver sensitivity	-127 dBm
Ports	Ethernet
Communication	Ethernet cable, local Wi-Fi 2.4 GHz
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

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

---

[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.