



Aranet PRO base station

3 in 1: gateway, data storage,
and webserver



Europe	TDSBWPA1.012 TDSBWPA1.050 TDSBWPA1.100
Americas	TDSBWPA2.012 TDSBWPA2.050 TDSBWPA2.100
Russia	TDSBWPR1.012 TDSBWPR1.050 TDSBWPR1.100
Asia (AS1)	TDSBWB1
Asia	TDSBWBC1

Radio bands and channels

	ISM Band ¹	Radio channels	Maximal sensors count		
			12	50	100
Europe	EU868	Ch1: 868.1 MHz Ch2: 868.3 MHz Ch3: 868.5 MHz	TDSBWPA1.012	TDSBWPA1.050	TDSBWPA1.100
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	TDSBWPA2.012	TDSBWPA2.050	TDSBWPA2.100
Russia	RU869	Ch1: 868.85 MHz Ch2: 869.05 MHz	TDSBWPR1.012	TDSBWPR1.050	TDSBWPR1.100
Asia (AS1)	AS920	Ch1: 923.2 MHz	TDSBWB1 ²		
Asia	AS923	Ch1: 923.1 MHz Ch2: 923.3 MHz	TDSBWBC1 ³		

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

² Optional license upgrade to 50 and 100 sensors.

³ Optional license upgrade to 50 and 100 sensors.

Specifications

Receiver sensitivity	-127 dBm
Ports	12VDC, Ethernet, USB-A
Communication	Ethernet cable, local Wi-Fi 2.4 GHz
Power	12VDC, external adaptor
Local data storage space	10 years of measurements of 100 sensors ⁴
Data protection methods	XXTEA, HTTPS, password-protected user accounts
User interface languages	English, French, Spanish, Italian, Portuguese, Nederland, German, Russian, Latvian
Integrations ⁵	MQTT, Modbus TCP/IP, BACnet IP

General

Ingress Protection	IP42
Operating temperature	0 °C to 45 °C (32 °F to 113 °F)
Dimensions	170 x 107 x 26 mm (6.7 x 4.2 x 1.0 in)
Weight	190 g (6.7 oz)
Enclosure material	ABS plastic
Included in the box	AC/DC power adapter, mounting bracket, Ethernet cable (1 m)

Compliance

CE	Conformité Européenne
IC	Innovation, Science and Economic Development Canada
FCC	Federal Communications Commission (USA)

⁴ Aranet4 sensor with 5-minute TX interval chosen for calculation.

⁵ Additional licenses are required.