PRO Base Station

An environmental monitoring solution that acts as a gateway, data storage, and web server. Receives sensor measurements from Aranet PRO series devices using Aranet Sub-GHz ISM band radio.

Product numbers

	12 sensors	50 sensors	100 sensors
European Union	TDSBWPA1.012	TDSBWPA1.050	TDSBWPA1.100
United States	TDSBWPA2.012	TDSBWPA2.050	TDSBWPA2.100
Asia-AS1	TDSBWBJ1		
Asia	TDSBWBC1		

• Upgrade licenses for optional sensor quantities "12 to 50", "12 to 100", and "50 to 100", are available.

Radio bands and channels

		Channel 1	Channel 2	Channel 3	Channel 4
Europe	(EU868)	868.1 MHz	868.3 MHz	868.5 MHz	—
Americas	(US920)	917.3/922.9 MHz	917.5/923.1 MHz	917.7/923.3 MHz	917.9/923.5 MHz
Asia-AS1	(AS920)	923.2 MHz	—	—	—
Asia	(AS923)	923.1 MHz	923.3 MHz	—	—

Connectivity

Receiver sensitivity	-127 dBm
Ports	RJ45 with PoE 802.3af power input
Communication	Ethernet, Wi-Fi 2.4 GHz access point or client mode
Data protection methods	XXTEA, HTTPS, password-protected user accounts

Highlighted features

Local data storage	10-years measurement data for 100 sensors
Integrations	MQTT, Modbus TCP/IP, BACnet IP
User Interface languages	English, French, Spanish, Italian, Portuguese, Nederland, German, Russian, Latvian

• Additional licences are required to use listed integrations.

General specifications

Power	12 VDC, 0.5A	
Ingress protection rating	IP42	
Operating temperature range	0 – 45 °C	32 – 113 °F
Operating relative humidity range	0 – 90 %	
Dimensions	170×107×26 mm	6.7×4.2×1.0 in
Weight	190 g	6.07 oz
Enclosure material	ABS plastic	

Compliance information

CE Conformité Européenne

FC Federal Communications Commission (USA)

IC Innovation, Science and Economic Development Canada