

PRO Plus 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. Features rugged IP67 casing for outdoor use and PoE power input for ease of commissioning.



Product numbers

	12 sensors
European Union	TDSB0A03
United States	TDSB0AU3
Asia-AS1	TDSB0AJ3
Asia	TDSB0AC3

- 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 licenses are required to use listed integrations.

General specifications

Power	802.3af PoE	
Power consumption	4.7 W	
Ingress protection rating	IP67	
Operating temperature range	-40 – 60 °C	-40 – 140 °F
Operating relative humidity range	0 – 90 %	
Dimensions	180×120×45 mm	7.09×4.72×1.77 in
Weight	425 g	15 oz
Enclosure material	Polycarbonate	

Compliance information

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