

PRO Plus LTE 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. Additionally, 4G LTE connectivity enables usage in areas lacking local internet access.



Product numbers

	12 sensors
European Union	TDSB0B03
United States	TDSB0BU3
Asia-AS1	TDSB0BJ3
Asia	TDSB0BC3

- 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, 4G LTE
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

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- 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
