

# PRO



aranet



Aranet offers innovative industrial IOT solutions for business, making environmental monitoring easy!  
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**Aranet PRO is an industrial grade environment monitoring solution. Up to 100 wireless sensors can be added per single gateway within the line-of-sight range of 3km/1.9 mi\*.**

1. Aranet PRO offers 3 gateway versions – Aranet PRO 100, Aranet PRO 50 and Aranet PRO 12.
2. Aranet PRO comes with a free software- Aranet SensorHUB. Easy to use web interface allows viewing, analysing and comparing data in real time from a computer, tablet or even a smartphone.
3. Aranet wireless sensors measure temperature, relative humidity and CO<sub>2</sub> levels.
4. Aranet PRO allows setting of alert thresholds and receiving warnings via e-mail notifications when something needs attention.
5. Centralized data aggregation saves time and money by eliminating potential human error and saving time previously spent on manual data readings.
6. Portability of the sensors and the gateway offers flexibility. Devices can be moved when necessary without extra costs of installation or extensive planning.
7. These capabilities offer new solutions for different businesses including food manufacturing, grocery stores, warehouse management, museums and exhibition halls, hotels and restaurants, agricultural facilities and many others.



Aranet PRO kit: a) Aranet PRO gateway; b) AC power adapter with USB cable; c) Gateway mounting bracket; d) Aranet SensorHUB software.

Aranet PRO	
Maximum sensors amount	100 / 50 / 12
Interface accessibility	PC, tablet or smart phone connected via Ethernet cable or local WiFi connection
Ports	AC power port, 1 Ethernet port, 1 USB A
Alarm type	E-mail, SMS (optional)
Memory	Saves data for 10 years
Data storage type	Local
Protection class	IP 40
Receiver sensitivity	-133dBm
Dimensions	107x170x26 mm / 4.2x6.7x1.02 in

## Aranet PRO base station datasheet

Maximum sensor count	12	50	100	
Alarm type	Email / SMS notification through USB modem			
Local data storage	Measurement data for up to 10 years with 100 sensors			
Measurement interval	1, 2, 5, 10 minutes			
Receiver sensitivity	Europe, Russia -127 dBm North America -129 dBm			
Channels	Europe	Channel 1: 868.10 MHz Channel 2: 868.30 MHz Channel 3: 868.50 MHz	North America Channel 1: 917.3 MHz Channel 2: 917.5 MHz Channel 3: 917.7 MHz Channel 4: 917.9 MHz Channel 5: 922.9 MHz Channel 6: 923.1 MHz Channel 7: 923.3 MHz Channel 8: 923.5 MHz	
	Russia	Channel 1: 868.85 MHz Channel 2: 869.05 MHz		
Data protection	Password protected user accounts, encryption for data			
Communication	Ethernet cable, local WiFi			
Power options	AC/DC power adapter Optional power supply with Passive 12V PoE injector Built-in battery (backup power up to 30min)			
Operating temperature	0 °C to 40 °C / 32 °F to 104 °F			
Operating humidity	0 % to 100 % non-condensing			
Interface languages	English, German, French, Spanish, Russian, Italian, Dutch, Portuguese, Latvian			
Dimensions	107x170x26 mm / 4.2"x6.7"x1.02" w/o mounting bracket			
Ports	12VDC power port, 1 Ethernet, 1 USB A			
Weight	190 g / 6.7 oz w/o mounting bracket			
Construction	ABS Plastic, steel mounting bracket			
Protection class	IP40			
CE/ FCC/ IC Marking	Yes			
Included	AC/DC power adapter, mounting bracket			
SensorHUB Software	Built-in web server supporting browsers like Chrome, Firefox, Edge, Safari			
Part number	EU	TDSBWPA1.012	TDSBWPA1.050	TDSBWPA1.100
	NA	TDSBWPA2.012	TDSBWPA2.050	TDSBWPA2.100
	RU	TDSBWPR1.012	TDSBWPR1.050	TDSBWPR1.100

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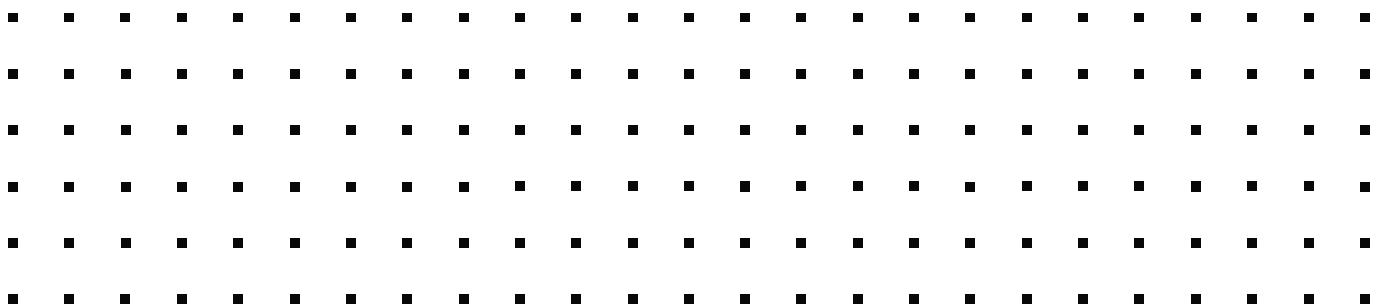
# PoE injectors

for Aranet PRO base station

**PoE or Power over Ethernet** is a technology for passing electric power along with data. PoE injector ensures both data connection and electrical power to the device.



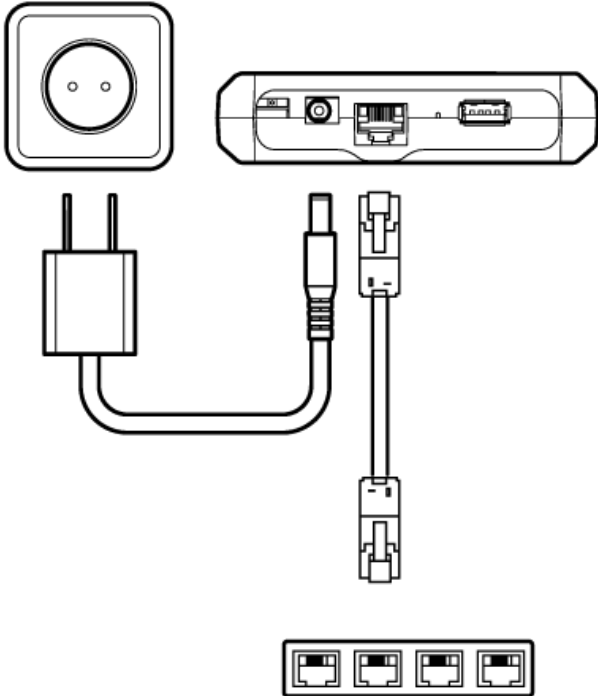
2022-11-15



## Aranet PRO base station and PoE injector connection

**Aranet PRO base station** can be powered by a power adaptor (included in the packaging), and the network connection can be ensured by a regular ethernet cable or Wi-Fi connection.

If needed, a passive PoE injector can be used for powering and ensuring network connection to the device. Aranet PRO base station is connected to the passive PoE injector with a regular ethernet cable. Further, the PoE injector, which is connected to the power adapter, passes the electricity and adds it to the network cable to power the base station. Additionally, a regular ethernet cable is added to ensure connection to the network.

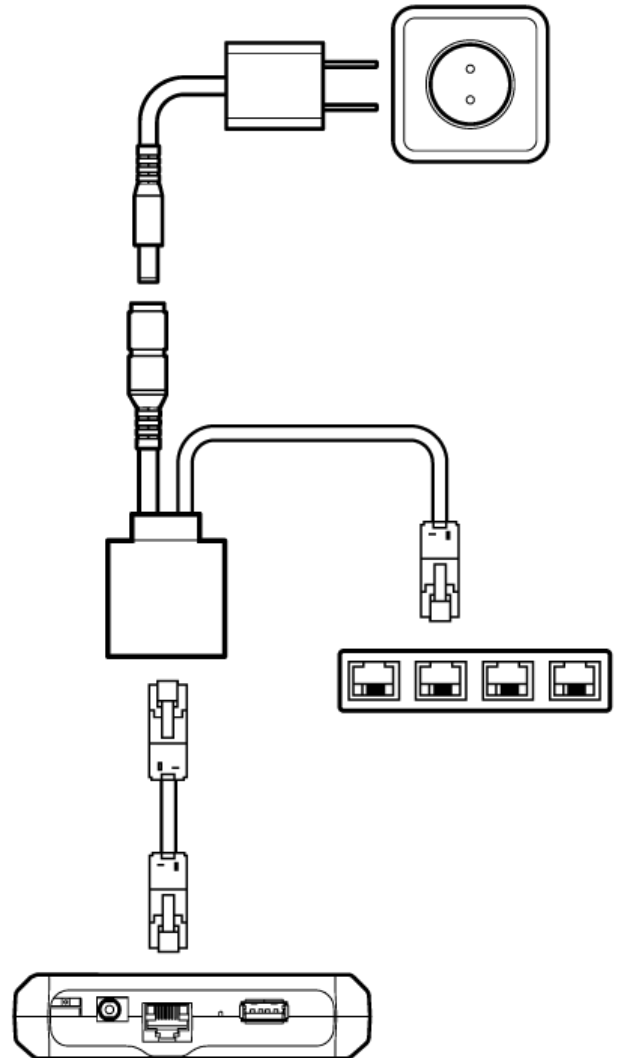


Option 1: Aranet PRO base station is connected to mains electricity with a power adaptor and connected to the network with an ethernet cable

### Information for completing your order

- The PoE injectors should be purchased based on your necessity
- Please note that the Aranet PRO base station is only compatible with a passive PoE injector

Aranet PRO	TDSBWB*1
Passive PoE injector (for Aranet PRO)	TDAPOE01



Option 2: Aranet PRO base station and passive PoE injector