

Datasheet

Gateway PRO Long Range

Radio bridge between Wi-Fi and LoRa 868 MHz with external antenna · up to 1.5 km · IP67
PRO line · for large sites · cloud platform my.irrigation.cloud



LoRa 868 MHz

External antenna

up to 1.5 km

up to 40 devices

IP67



Maximum range for large sites

The Gateway PRO Long Range connects **Sensor Modules PRO** and **IntelliValves PRO** to **my.irrigation.cloud** via LoRa. Its **external 868 MHz antenna** – factory-fitted and sealed – reaches **up to 1.5 km** in open field.

Typical applications: **large parks, avenues and agricultural areas**, where field devices are spread over long distances. Functions, operation and connections are identical to the Gateway PRO.

Your benefits

- Up to 1.5 km radio range (open field, guide value)
- External LoRa antenna 868 MHz, factory-fitted and sealed
- Up to 40 field devices per gateway, several gateways per system
- Weatherproof to IP67, wall or pole mounting

Technical data

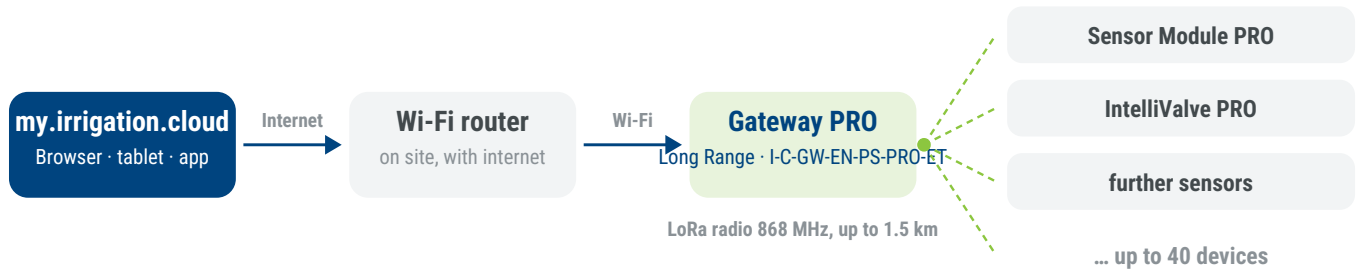
Item number	I-C-GW-EN-PS-PRO-ET · EAN 4251884911982
Standard version	I-C-GW-EN-PS-PRO, internal antenna, up to 1,000 m (separate datasheet)
Field radio	LoRa, 868 MHz band
External antenna	TLA-868-GT-SFB200 · 860–880 MHz · SMA · factory-fitted and sealed
Range	up to 1.5 km (open field, guide value) – free line of sight; depends on terrain, vegetation and mounting height
Field devices	max. 40 Sensor Modules PRO / IntelliValves PRO
Cloud connection	Wi-Fi 2.4 GHz (802.11 b/g/n), Bluetooth LE 5.0 for commissioning, TLS 1.3
Supply voltage	12 V DC via M14 socket – power supply P-E-K-NT-ACDC18-230_12 (230 V AC input, sold separately) or solar
Operation / display	1 touch button · 3 RGB LEDs (power, LoRa, cloud)
Protection class	IP67
Conformity	CE (RED, RoHS)
Operating temperature	–10 °C to +50 °C
Mounting	Wall bracket I-Z-WH-VBPRO or pole mounting kit I-Z-PH-VBPRO
Firmware	OTA updates automatically via Wi-Fi



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irrigation.cloud · Long Range radio bridge with external LoRa antenna

System layout



The Gateway PRO and the **VBox AC PRO** are freely combined into one system in the cloud. A sensor on the gateway can therefore control any zone of the VBox, e.g. irrigation by soil moisture or refilling by tank level.

Connection and mounting

CONNECTOR	PLUG	ASSIGNMENT / NOTE
Power	M14, 2-pin	12 V DC from power supply P-E-K-NT-ACDC18-230_12 (circular connector) or solar supply
Antenna	SMA	External LoRa antenna TLA-868-GT-SFB200, 868 MHz, factory-fitted and sealed – do not remove
Location	–	central between the field devices, elevated, antenna vertical, not directly behind metal

Order references

REFERENCE	DESCRIPTION	EAN	TYPE
I-C-GW-EN-PS-PRO-ET	Gateway PRO Long Range (external antenna)	4251884911982	Product
I-C-GW-EN-PS-PRO	Gateway PRO, internal antenna – separate datasheet	4251884912040	Alternative
P-E-K-NT-ACDC18-230_12	Power supply 230 V AC / 12 V DC, 18 W	4251884912149	required
I-Z-WH-VBPRO	Wall bracket (VBox PRO and Gateway PRO)	4251884912095	Option
I-Z-PH-VBPRO	Pole mounting kit (VBox PRO and Gateway PRO)	4251884912101	Option
I-C-US-EN-PS-PRO	Sensor Module PRO (radio sensor)	4251884912064	Option

Important for planning

- **Typical applications:** large parks, avenues, agricultural areas and other sites with widely spread field devices.
- **Location:** mount elevated with the antenna vertical; test the range on site with a Sensor Module.
- **Wi-Fi:** 2.4 GHz required at the mounting location; without Wi-Fi: LTE router with SIM licence.
- **Scope of delivery:** Gateway PRO with external LoRa antenna, factory-fitted and sealed. Order power supply and bracket separately.