

Datasheet

Gateway PRO

Radio bridge between Wi-Fi and LoRa 868 MHz · up to 40 field devices · IP67
PRO line · for Sensor Modules PRO and IntelliValves PRO · cloud platform
my.irrigation.cloud



LoRa 868 MHz

Wi-Fi 2.4 GHz

up to 40 devices

IP67

12 V DC

OTA updates



The bridge from Wi-Fi to the field

The Gateway PRO connects **Sensor Modules PRO** and **IntelliValves PRO** to **my.irrigation.cloud** via LoRa. LoRa penetrates vegetation and light obstacles and reaches **up to 1,000 m** in open field with the internal antenna. Several gateways can be used per system.

For even greater distances, a **Long Range version with external antenna** is available – see separate datasheet I-C-GW-EN-PS-PRO-ET. Power is supplied at 12 V DC via an M14 socket.

Your benefits

- Radio instead of cable: place sensors and IntelliValves freely across the site
- Up to 40 field devices per gateway, several gateways per system
- Weatherproof to IP67, wall or pole mounting
- Up to 1,000 m radio range with the internal antenna (open field, guide value)
- Encrypted cloud connection (TLS 1.3), updates from the cloud

Technical data

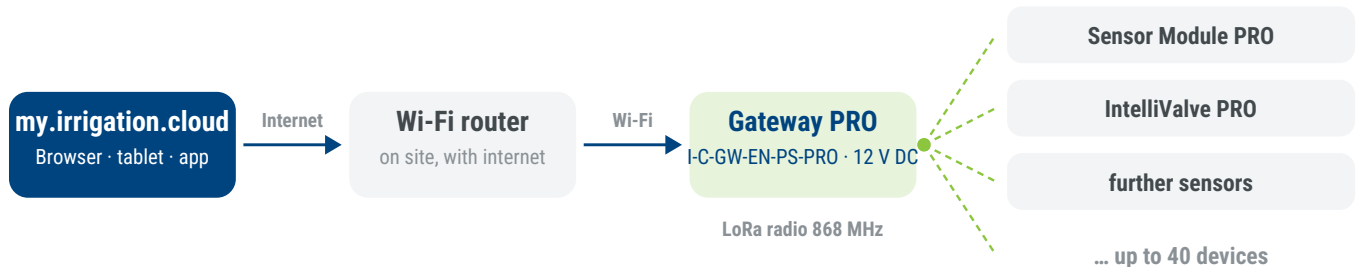
Item number	I-C-GW-EN-PS-PRO · EAN 4251884912040
Long Range version	with external antenna: see separate datasheet I-C-GW-EN-PS-PRO-ET
Field radio	LoRa, 868 MHz band, internal antenna
Range	up to 1,000 m (open field, guide value) – free line of sight; depends on terrain, vegetation and mounting height
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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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	internal	LoRa antenna integrated in the housing · Long Range version with external antenna: see datasheet I-C-GW-EN-PS-PRO-ET
Location	–	central between the field devices, elevated, not directly behind metal

Order references

REFERENCE	DESCRIPTION	EAN	TYPE
I-C-GW-EN-PS-PRO	Gateway PRO, internal antenna	4251884912040	Product
I-C-GW-EN-PS-PRO-ET	Gateway PRO Long Range (external antenna) – separate datasheet	4251884911982	Variant
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
I-C-V24AC-W-PRO	VBox AC PRO, 8 zones	4251884912026	Option

Important for planning

- **Location:** mount the gateway centrally and elevated. Test the range on site with a Sensor Module (briefly pass the magnet = immediate measurement).
- **Wi-Fi:** 2.4 GHz required at the mounting location; without Wi-Fi: LTE router with SIM licence.
- **Ecosystem:** the Gateway PRO connects PRO radio devices only. Classic sensors require the Gateway Classic.
- **Scope of delivery:** Gateway PRO. Order power supply and bracket separately.