

# Plugstation

## Gateway LoRaWAN



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The **Plugstation Gateway LoRaWAN** is a gateway that connects devices LoRaWAN to IP networks via Wi-Fi or Ethernet. With high sensitivity (-140 dBm), support for MQTTs, PoE and IP65 protection, it ensures reliable communication, long distances and scalable deployment for IoT applications, enabling intelligent monitoring on farms, smart cities and distributed operations. The device allows efficient collection and transmission of data in real time, supporting strategic decisions and remote asset management with high reliability.



## Technical Specifications

Parameter	Description
Power Supply	12–24 VDC, 2 A
Sensitivity	Até -140 dBm com front-end SX1250 Tx/Rx
Interference Rejection	CW of 70 dB with 1 MHz offset
Demodulator	8 demoduladores LoRa SF5-SF10 / SF5-SF12
	Demodulator LoRa para 125/250/500 kHz
	1 demodulador (G)FSK
	10 programmable parallel demodulation paths
Processor	ar9331 400MHz
Memory	RAM: 64MB
	Flash: 16MB
Interfaces	RJ45 Port 10/100 M
	Wi-Fi: 802.11 b/g/n
	LoRaWAN sem fio
	Porta PoE compatível com IEEE 802.3 af (DC 37–57 V)
	USB 2.0 host connector
	Conector Mini-PCI E
	One SX1302 and two SX1250
	Front-end de rádio digital dupla TX e RX
Dimensions	87x90x260 mm
Weight	1.7 kg
Operating Temperature	-20 °C to +85 °C
Protection Grade	IP65
Operating Capacity	Negative SNR (CCR up to 9 dB)

