



# LoRaWAN IoT Gateway

## LORA GATEWAY

### PRODUCT DESCRIPTION

The LoRa Gateway is a compact indoor gateway designed for reliable LoRaWAN network deployment in industrial IoT environments.

The device supports the full LoRaWAN stack and enables communication between LoRaWAN end devices and network servers. With Ethernet, Wi-Fi and optional LTE backhaul, the gateway provides flexible connectivity for indoor installations.

PoE support, integrated Web UI configuration and compatibility with private and public network servers ensure easy installation, monitoring and operation for small and medium-sized LoRaWAN deployments



### APPLICATIONS

- **LoRaWAN Network Deployment**
- **Asset Tracking Infrastructure**
- **Industrial IoT Applications**

### FEATURES

- **Full LoRaWAN stack support**
- **8-channel LoRa concentrator**
- **Ethernet, Wi-Fi and optional LTE backhaul**
- **PoE support for flexible installation**
- **Web UI for configuration and monitoring**
- **Built-in network server support**
- **Compatible with private and public network servers**

## TECHNICAL DATA

### LORAWAN

LoRa Chipset	Semtech SX1302
Channels	8 channels
Frequency Bands	EU433, CN470, EU868, US915, AS923, AU915, IN865, KR920
TX Power	27 dBm max.
RX Sensitivity	-139 dBm min.
Network Server	Built-in network server
Network Integration	ChirpStack / TTN

### CONNECTIVITY

Ethernet	RJ45, 10/100M
Wi-Fi	2.4 GHz, IEEE 802.11 b/g/n
Wi-Fi Mode	AP mode for configuration
Cellular	LTE Cat.4 optional
Backhaul	Ethernet / Wi-Fi / Cellular
Console	USB Type-C

### POWER

Power Supply	DC 12 V / 1 A
PoE	IEEE 802.3af, 36 to 57 VDC
Power Consumption	12 W typical

### OPERATING ENVIRONMENT

Operating Temperature	-10 °C to +55 °C
Installation	Indoor Wall Mounting
Protection Class	IP30

### INTERFACE

Configuration	Web UI
Software Platform	WisGateOS 2 based on OpenWRT
Management	Web UI / SSH2
Storage	TF card for log backup and LoRa frame buffering
Reset Key	Restart / Factory Reset
Status Indication	Power, Ethernet, LoRa, WLAN and LTE LEDs

### PHYSICAL SPECIFICATIONS

Dimensions	166 × 127 × 36 mm
Weight	300 g
Housing	Plastic
LoRa Antenna	RP-SMA female connector
Wi-Fi Antenna	Internal
LTE Antenna	Internal

## ORDER CODES

### VERSIONEN

LoRa Gateway

### ORDER CODES

IOT-GA-LO-AT-7201