

DHI-WG-1037

LoRa Gateway



- Base terminal with non-loosening screws for easy installation
- Robust communication: Excellent anti-interference, high sensitivity, and powerful RF output
- Instant detection: Continuous signal strength measurement for seamless operation
- Extensive communication range: Powerful signal for wide-area coverage

System Overview

A LoRa Gateway serves as a bridge between LoRa devices and fire alarm control panels. It enables secure wireless data communication by utilizing encrypted transmission and low-power LoRa technology. When a LoRa device detects an alarm, the gateway receives the data and forwards it to the control panel. The control panel then sends instructions to the gateway, which in turn communicates with the LoRa devices to establish a wireless connection. This seamless process ensures continuous and reliable operation of the system.

Functions

Flexible application

Install the wireless devices in place where is inconvenient to install wired devices

Convenient wiring

Two-wire and polarity-free, one-click button to wirelessly pair

Reliable communication

High-performance MCU gives rise to high sensitivity, stable and reliable operation

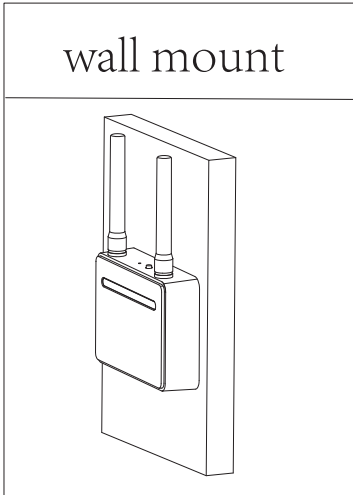
Scene

It is suitable for commercial buildings, hospitals, schools, residential accommodations, theaters, exhibition halls, transportation hub port station, office buildings and other places.

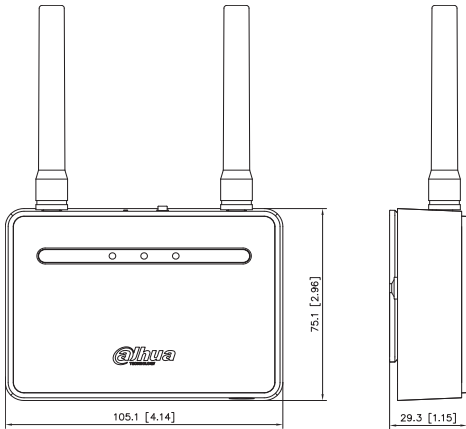
Technical Specification

Communication	LoRa
System Capacity	Up to 32 LoRa devices
Addressing Method	Electrical encoder
Address Range	1-254
Operating Voltage	DC16V-DC28V
Operating Current	Standby Current: ≤3mA Alarm Current: ≤70mA
Communication Distance	Free space: A maximum of 1500 metres Ordinary walls: A maximum of 5 walls
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤ 95% RH (no condensation)
Dimensions (with base)	105.0 mm × 80 mm × 30 mm (4.13" × 3.15" × 1.18")
Weight (with base)	117 g (0.26 lb)
Installation	Wall Mount

Installation



Dimensions (mm/inch)



Ordering Information

Type	Part Number	Description
LoRa Gateway	DHI-WG-1037	LoRa Gateway