

DHI-HY-LOE20

LoRa Gateway



- Non-loosening screws on base terminal for easy installation
- Strong communication capability: Strong anti-interference ability, high sensitivity, and high RF power
- Real-time detection: Signal strength is measured at any time, conducive to operation
- Wide communication range: Strong signal covers large areas

System Overview

LoRa Gateway facilitates the connection between LoRa devices and fire alarm control panels. It incorporates high-tech functions and adopts encrypted transmission in wireless data communication and low-power LoRa wireless communication technology, ensuring sustained and stable operation. If a LoRa device triggers an alarm, this gateway will receive the data reported by the device and then transmit it to the control panel. Upon receiving the data, the control panel sends commands to the gateway, which in turn sends them to the LoRa devices to control their operation, thereby establishing a wireless connection.

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

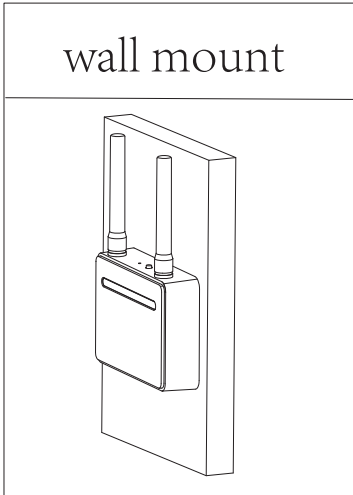
Scene

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

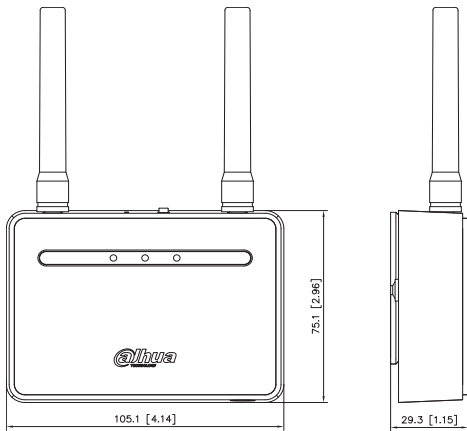
Technical Specification

Communication	LoRa(916MHz)
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-HY-LOE20	LoRa Gateway