LoRaWAN Indoor Gateway Instruction Manual

Product Description

This is an LoRaWAN indoor gateway suitable. It is fully compatible with the standard LoRaWAN protocol.

Designed for indoor use, this product integrates WIFI and Ethernet functions, enabling users to easily access local servers or cloud servers.

Specification Parameters

Power Parameters

USB - TYPE - C port: 5V 2A

DC2.1 power supply port: 7 - 12V 2A

LoRaWAN Parameters

Protocol: Class A/Class C

Sensitivity: - 140dBm@292bps

Antenna socket: SMA female socket

Network Parameters

WIFI: IEEE 802.11 b/g/n (2.4G)

AP hotspot: IEEE 802.11 b/g/n (2.4G)

Ethernet: 100M network port ×1

System Parameters

CPU: Quad - core Cortex - A35, maximum frequency 1.3GHz

Memory: 512 MB DDR4 RAM

Flash memory: 16GB eMMC

RTC: Built - in

RST button: ×1

BOOT button: ×1

Firmware update: USB - TypeC

Physical Parameters

Product main body size: 142mm*102mm*30mm (excluding packaging, antenna, etc.)

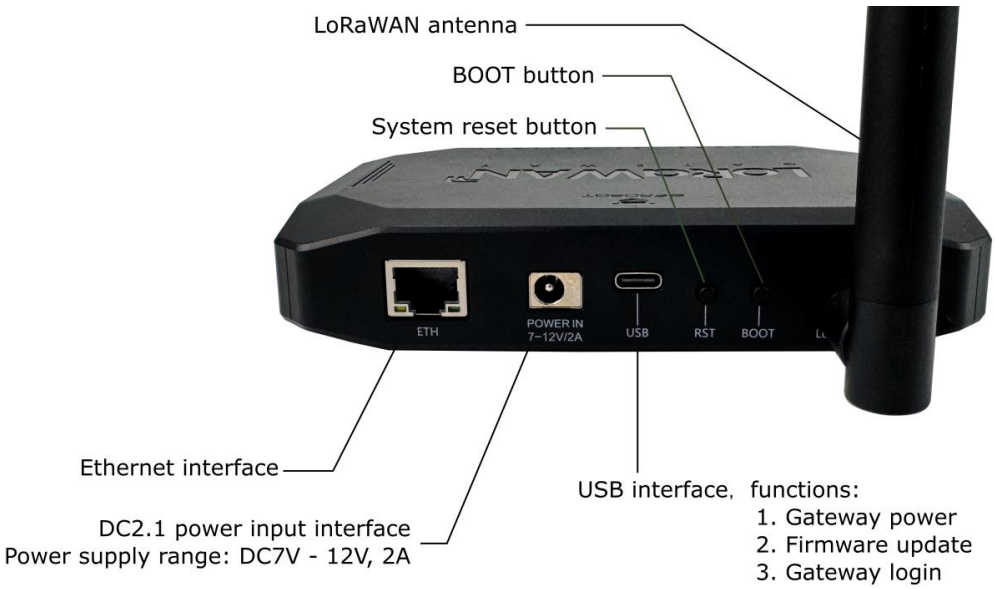
Installation methods: Desktop installation, wall - mounted installation

Shell material: ABS

Functional Use Schematic Diagram

Front View

Back View



FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different

from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC' s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.