

Walrus Gateway

LoRaWAN-OD

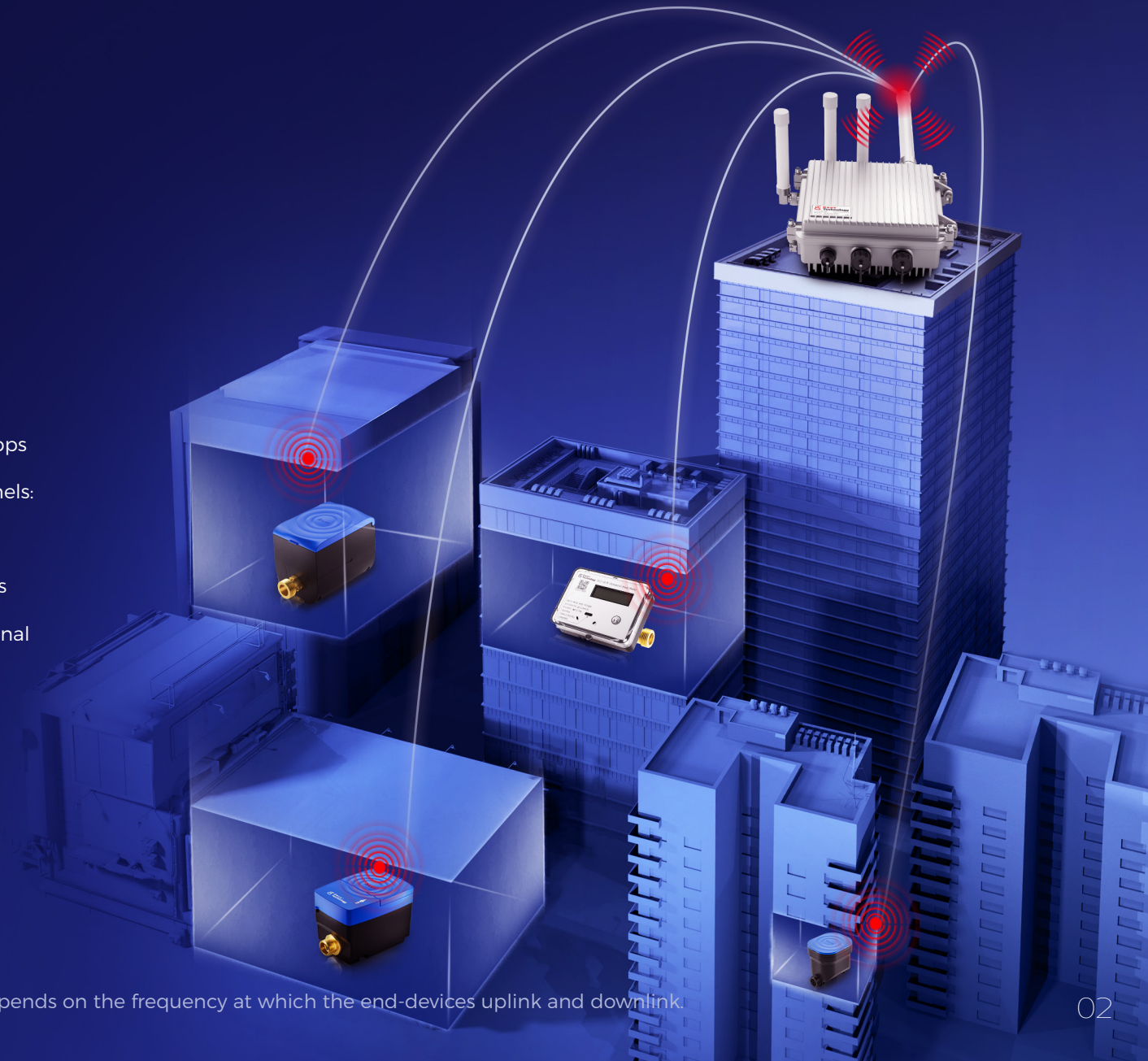




The Walrus LoRaWAN-OD Gateway, featuring a metal enclosure, is designed for outdoor installation. It can withstand diverse complex climate and temperature conditions. Equipped with a unique backup battery, it can operate continuously during power outages. Its robust capabilities enable it to be an excellent choice in LoRaWAN solutions, helping customers meet various challenges.



- High sensitivity:-140dBm@300bps
- Semtech chip with multi channels:
 - 8 normal multi-SF channels
 - 16 normal multi-SF channels
- Half duplex or Full duplex optional
- LoRaWAN Antenna Gain: 2dBi



*The real capacity of the gateway depends on the frequency at which the end-devices uplink and downlink.



Power Supply

The Walrus LoRaWAN OD Gateway exhibits seamless compatibility with PoE IEEE 802.3 af/at standards. Its power supply system is highly versatile, integrating a DC jack, PoE functionality, and an internal lithium - iron - phosphate battery. Notably, the backup battery offers an impressive endurance of up to 4 hours. Additionally, it is equipped with acid batteries that are specifically designed to support solar - panel - assisted charging, enhancing its energy - efficiency and adaptability in off - grid or remote deployment scenarios.



Built For Harsh Environments

Boasting IP67 waterproof rating and 10kA surge protection, the Walrus LoRaWAN - OD Gateway fearlessly endures harsh outdoor environments. It operates within a temperature range of -40°C to +75°C.

-40°C



75°C

WIFI

Equipped with a Wi-Fi antenna and an internal web UI, the device enables rapid configuration, fault diagnosis, analysis, and maintenance.

GPS

The GPS antenna is utilized to generate a Precision Time Protocol (PPS) signal for synchronization purposes, ensuring highly accurate and reliable time - alignment.

LoRaWAN

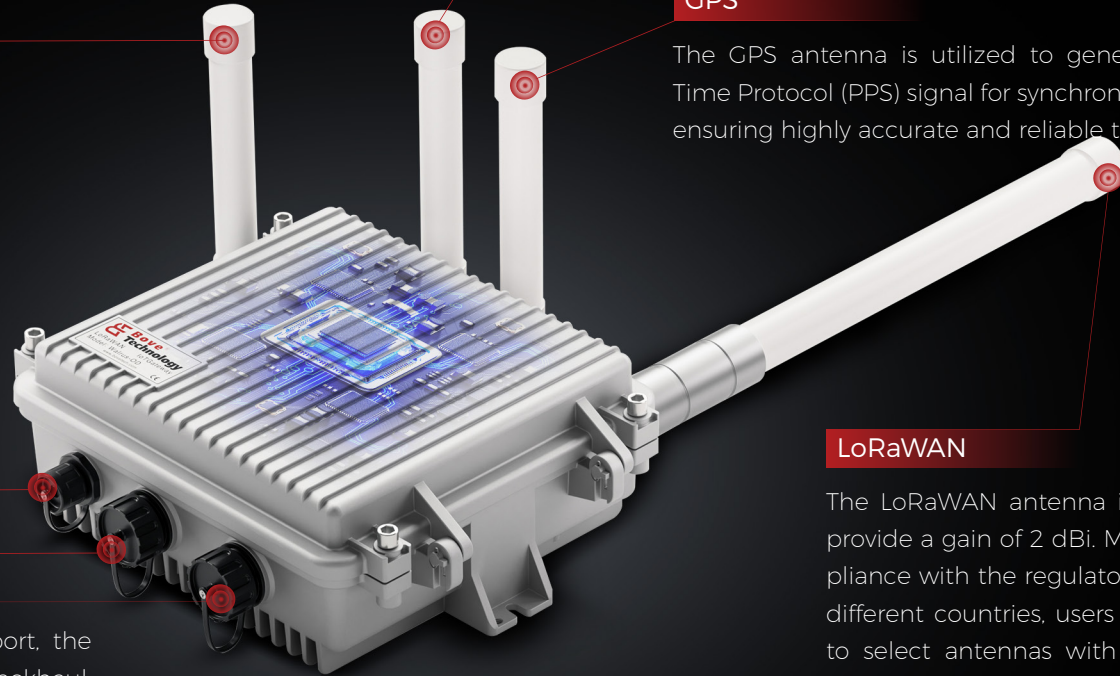
The LoRaWAN antenna is engineered to provide a gain of 2 dBi. Moreover, in compliance with the regulatory frameworks of different countries, users have the option to select antennas with higher gain for enhanced performance.

Power

RJ45

4G/ Ethernet

With 4G antenna and an Ethernet port, the device is optimized for efficient data backhaul, ensuring seamless and reliable data transmission.



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*The images in the file are only for showcasing technological effects, and the actual product shall prevail.