



LORA GATEWAY

The LoRaWAN Gateway is a cornerstone in long-range wireless communication for the Internet of Things (IoT). Using the LoRaWAN protocol, which emphasizes long-distance communication with minimal power use, this gateway efficiently aggregates data from multiple LoRa-enabled devices, ranging from remote environmental sensors to urban utility meters. Designed for resilience, it can function effectively in varied environments, from industrial sites to rural landscapes. In addition to collecting data, the gateway supports bidirectional communication, enabling it to relay commands or updates back to connected devices. Its design promotes easy integration, making it a versatile choice for expanding networks or establishing new IoT systems.



CORE FEATURES



LORA™ WIRELESS



UP TO 10K RANGE IN OPEN SPACES



HOSTS UP TO 500 SENSORS PER HUB



REAL-TIME DATA COLLECTION



LOW POWER CONSUMPTION



NORTH AMERICAN LTE SUPPORT (BELL/VERIZON)





CELLULAR INTERFACE

LTE

Cat M1

LTE Bit Rate

375 Kbps (DL), 375 Kbps (UL)

LTT Fdd

B12, B13, B28 (700 MHz), B20 (800 MHz), B5, B18, B19, B26 (850 MHz), B8 (900 MHz), B4 (1700 MHz), B3 (1800 MHz), B2 (1900 MHz), B1 (2100MHz)

LTE TDD

B39 (1900 MHz)

MECHANICS

Dimensions (W x H x D)

150 x 37.5 x 83 mm (5.9" x 1.48" x 3.27")

Mounting

DIN rail, wall

Weight

500g

Enclosure Rating

IP30

SD Card

1x Micro SD Card Slot
(WISE-6610-XXXC Only)

POWER REQUIREMENTS

Power Input

9 - 36 VDC

Power Connector

4-way Molex mini-fit connector

Power Consumption

8.2W-9W (9-36VDC/1A)

ENVIRONMENT

Operating Temperature

-40 ~ 75°C

Storage Temperature

☰ Storage Temperature -40 ~ 85°C

Operating Humidity

10 ~ 95% RH





REGULATORY APPROVALS

EMC

EN61000-4-2, Level 3
 EN61000-4-3, Level 3
 EN61000-4-4, Level 3
 EN61000-4-5, Level 3
 EN61000-4-6, Level 3
 EN61000-4-12, Level 3
 EN61000-4-11, voltage dip: 70%

Shock

IEC 60068-2-27

IEC 60068-2-32

Vibration

IEC 60068-2-6

RF

FCC/RED/NCC

ACCESSORIES

Power Supply

BB-RPS-MO4-M (included)

LoRaWAN Antenna

1750008946-01 (included)

LTE Antenna

1750009236-01 (cellular version included)

