



# MG6 4G LoRaWAN® Stellar Gateway



LoRaWAN & Bluetooth Communication



Global LoRaWAN® Frequency Support



Wi-Fi / 4G / Ethernet



Edge Computing



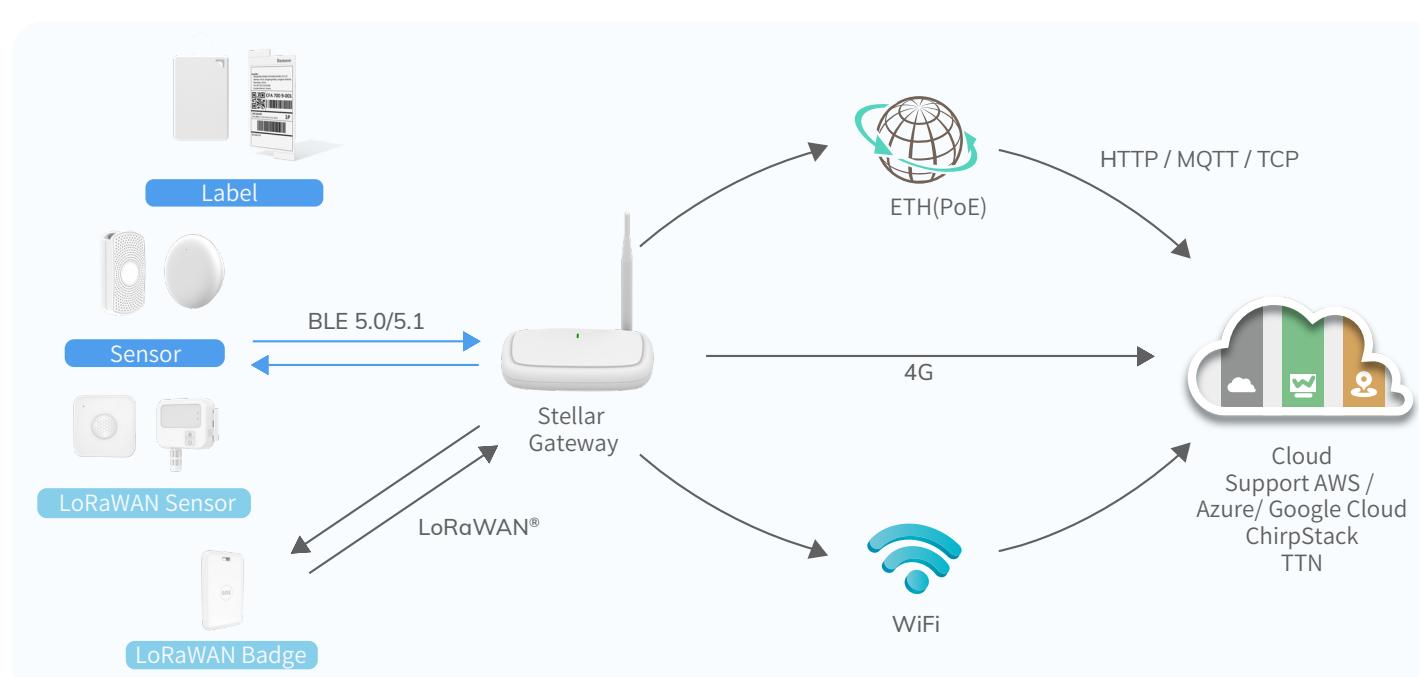
Data Security (AES-128, WPA3, etc.)



2.4W Low Power Consumption

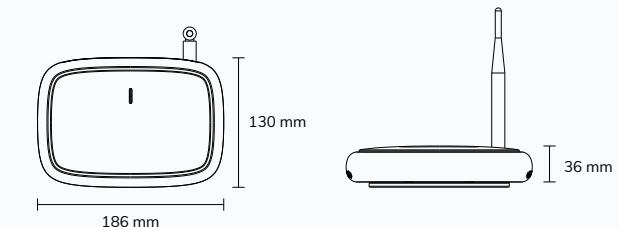


The MG6 4G LoRaWAN® Stellar Gateway combines Bluetooth® real-time insights with LoRaWAN® reach, offering seamless indoor and outdoor connectivity. With 600m Bluetooth® range and 2000 m<sup>2</sup> LoRaWAN® coverage, it ensures stable performance even in complex environments. Its global connectivity (4G LTE, Wi-Fi, Ethernet), edge computing, and AI optimization ensure efficient data flow. Built for scalability with low power consumption (2.4W), it provides robust security (AES-128, WPA3, dual authentication), making it ideal for smart cities, logistics, and industrial IoT.



## BASIC SPECIFICATIONS

Model:	MG6 4G LoRaWAN® Stellar Gateway
Power Supply:	DC 12V/1A PoE (IEEE 802.3af)
Working Environment:	Indoor
Network Connection:	WiFi / ETH (PoE) / LTE 4G
Installation Methods:	Ceiling or wall mounted
Firmware Update:	OTA, LAN, TF Card



## Bluetooth®

Bluetooth Frequency:	2.4-2.4835 GHz
Bluetooth Modulation:	GFSK
Emitting Power:	+19dBm (max)
Scan Coverage:	125Kbps: 400-600M 1Mbps: 150-250M (Open Area)

## WiFi

Wireless Standard:	IEEE 802.11 b/g/n
Operating Frequency:	2.4-2.4835 GHz
Transfer Speed:	2T2R 300Mbps
Network Protocol:	HTTP(SSL/TLS) , MQTT(SSL/TLS & Proxy), TCP WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK, WPA3-SAE, WPA2-PSK/W- PA3-SAE, WPA-EAP, WPA2-EAP, WPA3-EAP, WPA2-EAP/W- PA3-EAP
Wireless Encryption:	

## LoRaWAN®

Operating Frequency:	US915, EU868, CN470, KR920, AS923-1, IN865, etc.
Transmit Power:	26dBm (Max)
Receiver Sensitivity:	-141dBm (Min)
Transmission Distance:	About 1.5km in urban areas

## LTE Cat1

Frequency band:	CN(FDD): B1/3/5/8/9 (TDD): B34/38/39/40/41
EU(FDD):	B1/3/5/7/8/20/28
NA(FDD):	B2/4/5/12/13/14/66
Transmit Power:	23dbm
Receiver Sensitivity:	-93.3dbm

