



H6210-BLE

4G Lightweight Gateway



Overview

H6210-BLE 4G Lightweight Gateway supports custom protocol collection and control, docking various IoT platforms which can carry out device remote control, parameter control, short-distance communication, environmental status collection and other functions. It's suitable for all kinds of traditional MCU market, logistics cold chain, large-scale warehousing, industrial manufacturing and other industries. It adopts the design of main and sub-boards, and the motherboard integrates Bluetooth short-range communication. It also supports a variety of custom development that various IoT applications can be quickly implemented.

Highlights



Wide voltage input 5-36V



Support LTE Cat.1

Support Bluetooth(Optional)

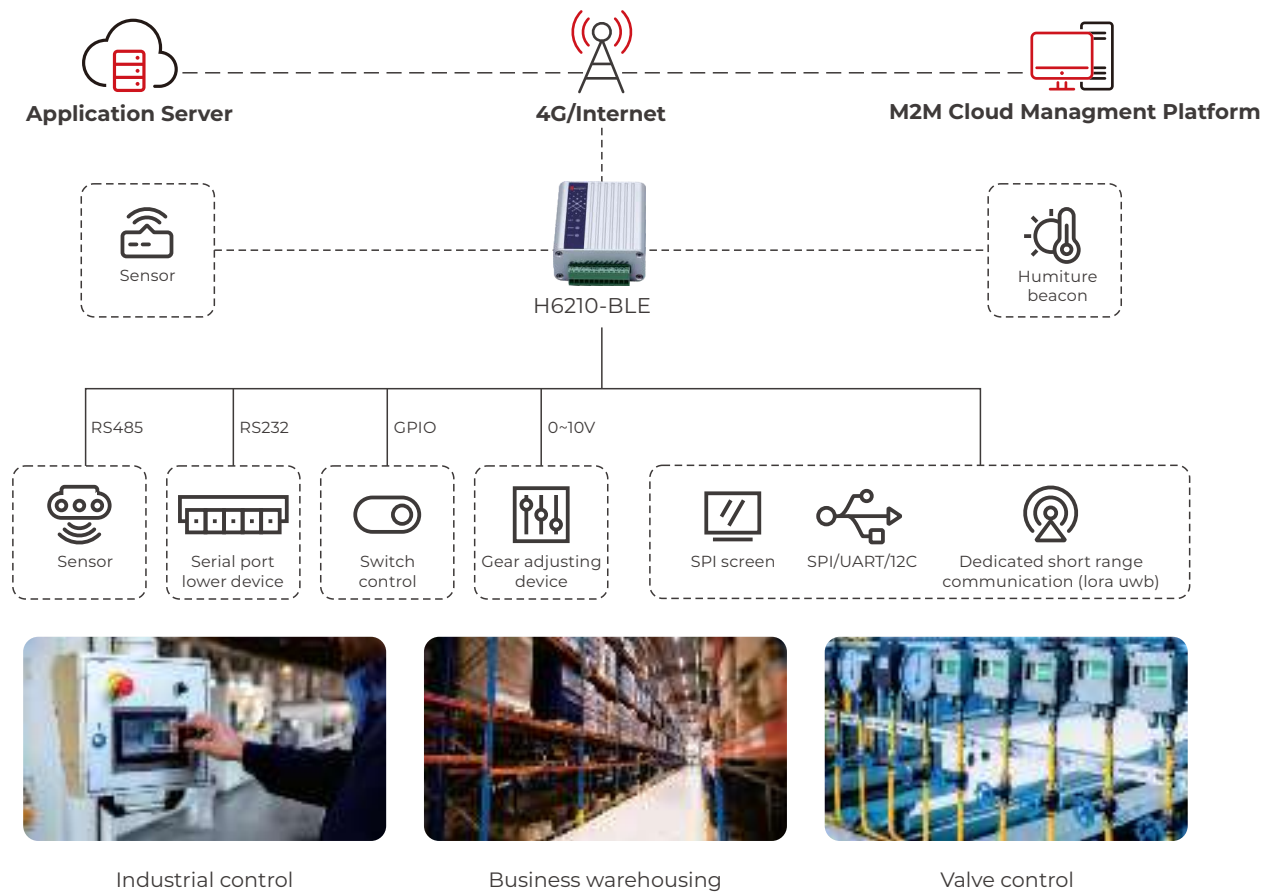


Support 0-10V analog output



Compact size

Topology diagram



Features



Support LTE Cat1 and bluetooth



Support protocol analysis



Main and sub board design, reserved for SPI, I2C, TTL



Support Hongdian Wedora RMS for cloud based management

Specification

Hardware			
CPU	ARM Cortex-A5, 500MHz		
Cellular Interface			
Modem	1 × LTE Cat1	Number of Antennas	1
SIM	1 × Mini SIM(2FF) (eSIM Optinaal)	Connector	SMA-K
Peripheral Interface			
Type	1 × RS-232 + 1 × RS-485 serial port	Socket Form	1 × 12-pin 3.5 mm female socket
Signal Definition	RX, TX, GND (RS-232) , A+, B-, GND (RS-485)	AVOUT	AVOUT × 1 (0-10V)
Baudrate	RS-232 (300-115200bps), RS-485 (300-115200bps)		
GPIO	GPIO × 2		
Software			
Network Protocols	PPP, TCP, UDP, IPv4, SSL, DHCP, ICMP, NAT, HTTP, HTTPS, DNS, ARP, SMTP, Telnet, SSH, DDNS, etc.		
Firewall	NAT, PAT, DMZ	Serial Ports Function	Transparent, Modbus RTU, etc
Remote Management	Telnet, SSH, Hongdian Wedora Cloud Platform		
Power Supply and Consumption			
Connector	2 pin socket	Voltage Input	+5V~+36V DC
Power Consumption	Idle: 50mA@12V DC, Data transceiving: 130mA@12V DC		
Others			
Reset Button	Yes	Hardware Watchdog	Yes
LED Indicators	3 indicators for Power, Data, NET		
Physical Characteristics			
Ingress Protection	IP30	Housing & Weight	Metal, 160g
Dimension	77.4×65.3×29.7(mm)	Relative Humidity	0% ~ 95% (no condensing)
Operating Temperature	-25 ~ +70 °C	Storage Temperature	-40 ~ +85 °C
Installations	Desktop, wall mounting and, adhesive backing DIN mounting		

Appearance

