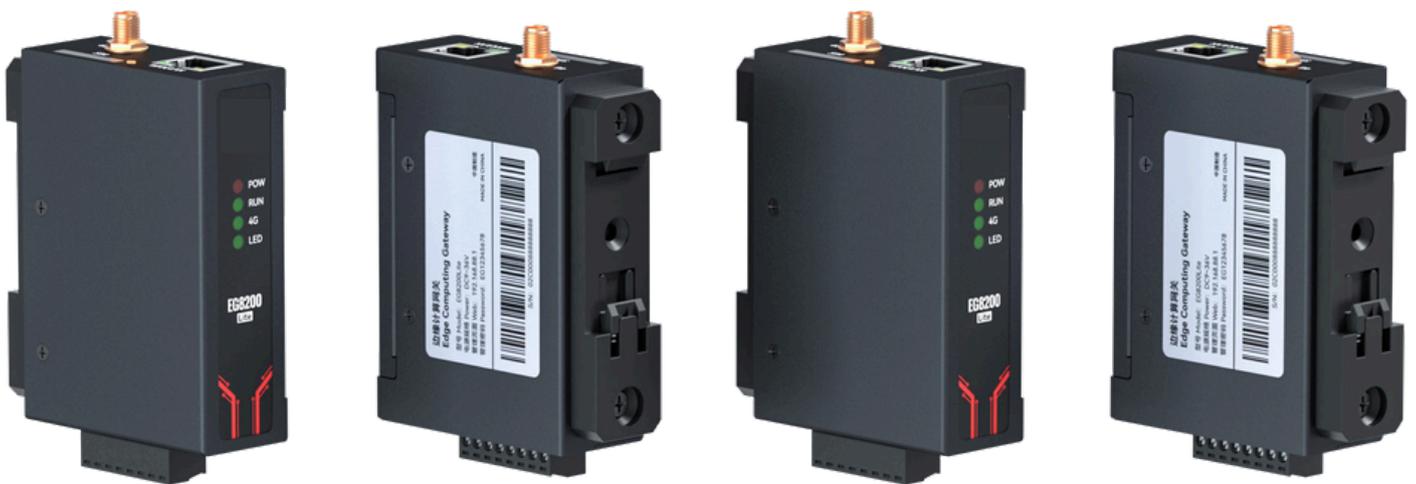




# PRODUCT SPECIFICATION

## EG8200Lite



# Product Introduction



- Cost-Effective
- Remote O&M
- Multi-Protocol
- Visual Coding
- JS Customization

EG series products are edge computing gateways launched by IOTRouter Chengdu. With its **rich hardware interfaces, drag-and-drop programming method, Zero Code design concept, convenient remote management** and other characteristics, It can **quickly, flexibly, accurately** and **efficiently** respond to various IoT industry needs.

EG series products abstract complex hardware interfaces, different industrial network protocols, etc. into Nodes one by one. Users can **use these Nodes flexibly to replace the traditional complex and inefficient coding process** by dragging and connecting. Really let customers focus on business logic and quickly create their own gateway equipment. The mission of EG series products is to continuously develop new Nodes to serve industry customers to **adapt to the fragmentation of IoT industry needs.**

# Product Specification

Model		EG8200Lite
Core Configuration	CPU	Single-Core A7@1.2G
	RAM	256MB
	eMMC	4GB
	OS	Linux
4G	Module	Quectel - Cat.1 (4G)
	Supported Bands	LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41
	Transmit Power	LTE-FDD: Class 3 (23 dBm ±2 dB) LTE-TDD: Class 3 (23 dBm ±2 dB)
	Bandwidth (Max rates are theoretical)	LTE-FDD: Max 10Mbps (DL) / Max 5Mbps (UL) LTE-TDD: Max 8.96Mbps (DL) / Max 3.1Mbps (UL)
Ethernet Ports	WAN/LAN	1 × 10/100M Auto-Negotiation
RS485	Interface Quantity	2 Ports
	Connection Terminals	A, B
	Baud Rate	2400~921600bps
	Data Bits	7, 8
	Stop Bits	1, 2
	Parity	NONE (No Parity), EVEN (Even Parity), ODD (Odd Parity)
RTC	Local Clock	Anti-static, Anti-surge
Indicator Lights	LED	Supported
Electrical Parameters	Certification	4 pcs (1 user-programmable)
	Power Adapter	CE
	Operating Voltage	12V/2A
	Operating Current	9~36V 60mA/12V

# Product Specification

Environmental Parameters	Operating Temperature	-20~85°C
	Storage Temperature	-20~85°C
	Operating Humidity	0~95%RH (non-condensing)
	Storage Humidity	0~95%RH (non-condensing)
Mechanical Parameters	Dimensions	83.8×58.5×25mm
	Enclosure Material	Galvanized Steel
	Installation Method	DIN Rail
	Heat Dissipation	Passive Cooling
	Reset Button	Press & hold for 10s to reset
EMC	Electrostatic Discharge (ESD)	Air Discharge: Level 3 ±8KV Contact Discharge: Level 2 ±4KV
	Surge (SURGE)	Level 2 ±1KV
	Electrical Fast Transient (EFT)	Level 2 ±1KV
	Remote O&M	
	Remote Management	Supported
Software Features	Remote Update	Supported
	Virtual Ethernet Port	Supported
	Virtual Serial Port	Supported
	Visual Programming	Supported
	Industry Protocols	Supported (Custom Node-RED)
		CJ188 / DLT645 / HJ212 / Modbus / OPC UA* / BACnet* / .....
	Network Protocols	MQTT / HTTP / TCP / UDP / WebSocket / Alibaba Cloud IoT Platform / OneNET / .....

\*EG8200Lite requires downloading third-party nodes

# Wiring Instruction

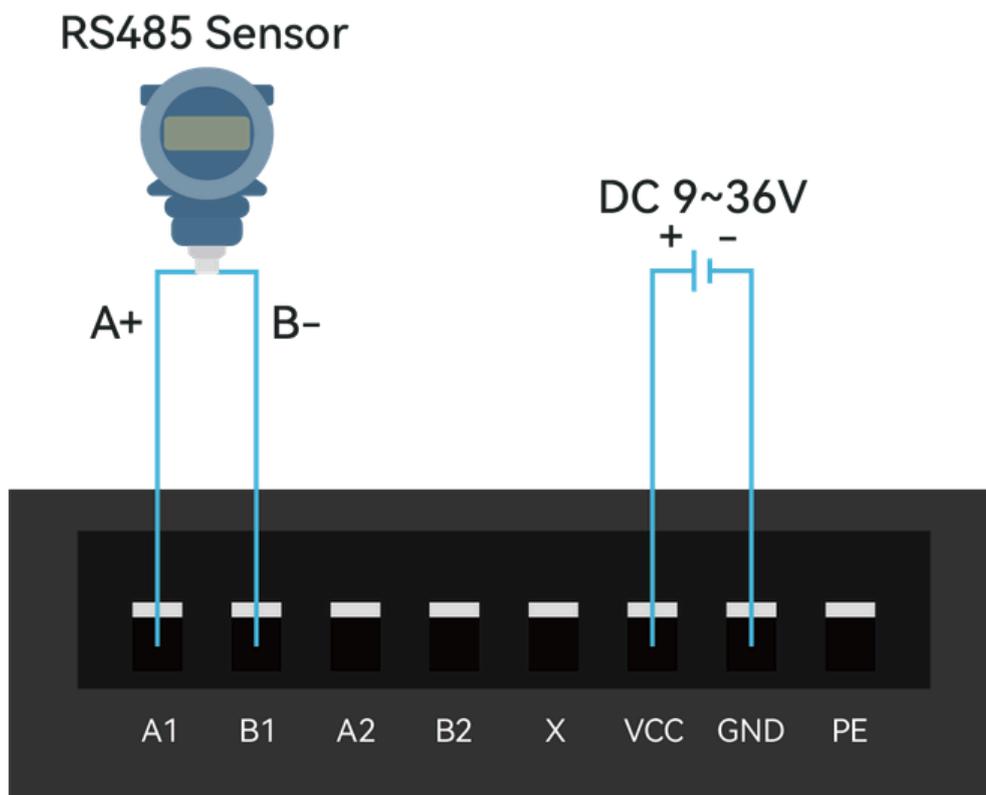


Interface Identification Diagram - 1



Interface Identification Diagram - 2

## Wiring Instruction



Power Supply & RS485 Wiring Diagram

## Installation Instruction



Product Size

# LEADING PROVIDER OF IT-OT CONVERGENCE PRODUCTS

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