PRODUCT INTRODUCTION
产品介绍

EG8000

EG8000 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.

EG8000 abstracts complex hardware interfaces, different industrial network protocols, etc. into Nodesone 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 EG8000 is to continuously develop new Nodes to serve industry customers to **adapt to the fragmentation of IoT industry needs**.

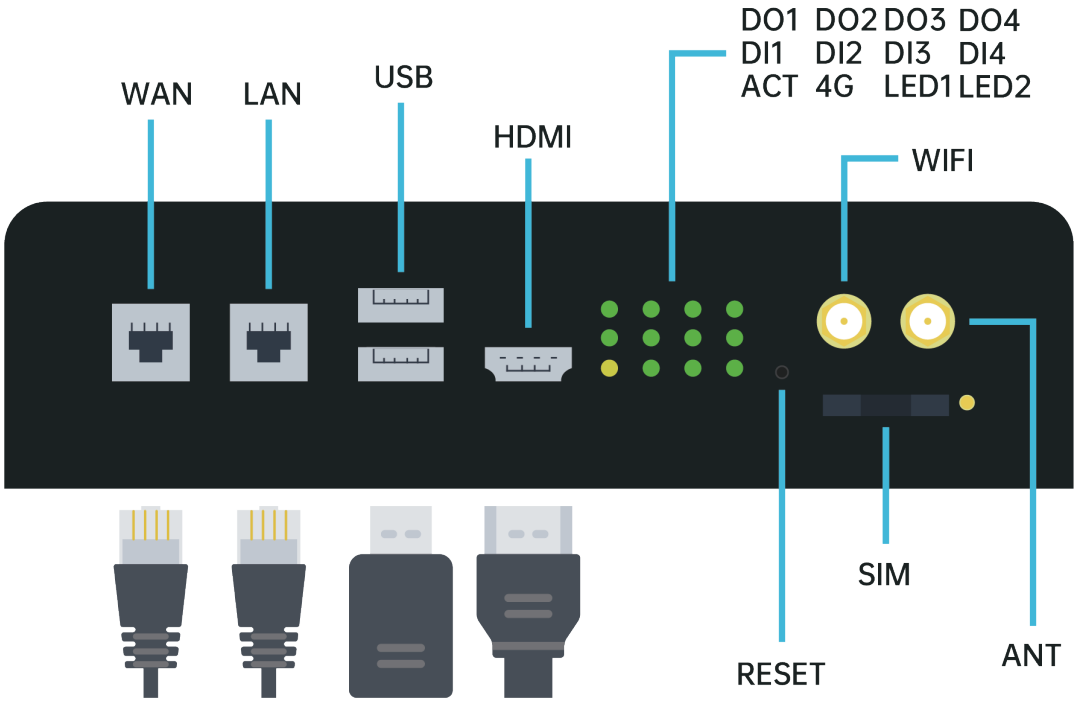
PRODUCT SPECIFICATION
产品规格

EG8000

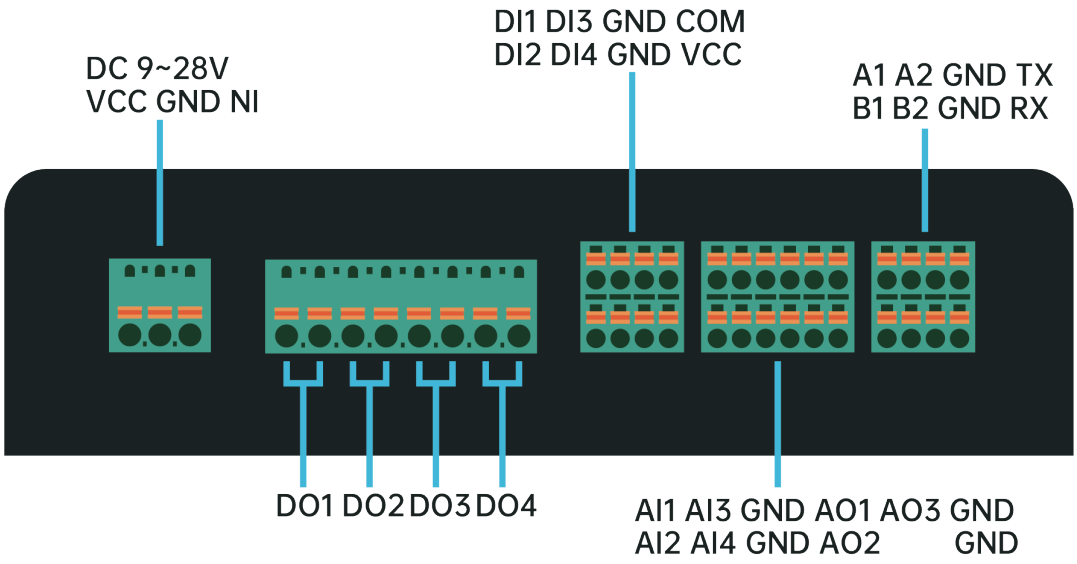
Hardware	CPU	ARM Cortex A53@1.5GHz
	Storage	1G + 8G
	RTC	Real Time Clock
	Wireless	LTE Cat4
		5G (Option)
	WIFI	WIFI-AP（2.4G ）
	WAN	1*1000/M Support DHCP Client
	LAN	1*100/M Support DHCP Server
	USB	2*USB
	HDMI	Support GUI output (customizable)
	RS485	2*RS485
	RS232	1*RS232
	DO	4*Relay Output (10A/250VAC 30VDC)
	DI	4*Relay Input (Wet&Dry nodes)
	AO	4*Analog Output (4-20mA, 12-bit precision)
	AI	4*Analog Input (4-20mA, 12-bit precision)
	LED	Support DO/DI status indication (customizable)
Electrical Parameters	Rated Voltage	DC12V, DC9~28V(Working Range)
	Rated Power	5W
	Power Protection	Anti-static, anti-surge, anti-reverse
	Certification	CE/ROHS
Environmental Parameters	Operating Temperature	-20~80℃
	Storage Temperature	-20~85℃
	Environment Humidity	10-90%RH (non-condensing)
	Cooling Method	Heat sink/Dissipation silicone
Mechanical Parameters	Size	204*120*48.2mm
	Weight	<1kg
	Material	Zinc Alloy
Software Parameters	Ops	Support remote configuration/upgrade/management
	VPN	Support intranet penetration support PLC remote upload and download (network port)
	Edge Computing	Support drag and drop programming Support zero-code development Support JavaScript development
	Data Storage	Support TSDB(Time Series Databases)
	Industrial Agreement	Support multiple industrial protocols (Developing)
	Network Protocol	MQTT/HTTP/TCP/UDP/WEBSOCKET

WIRING INSTRUCTION
接线说明

EG8000



Interface Identification-1



Interface Identification-2

WIRING INSTRUCTION
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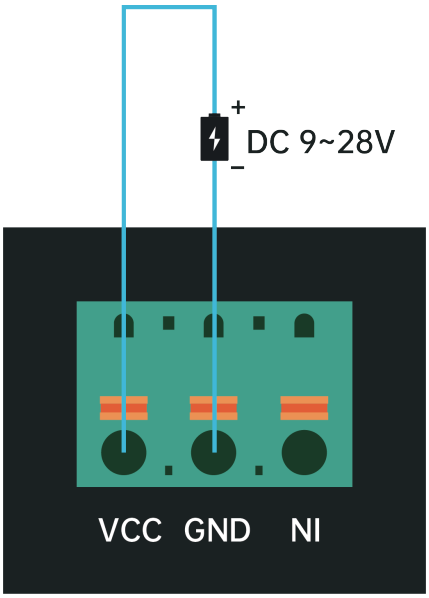
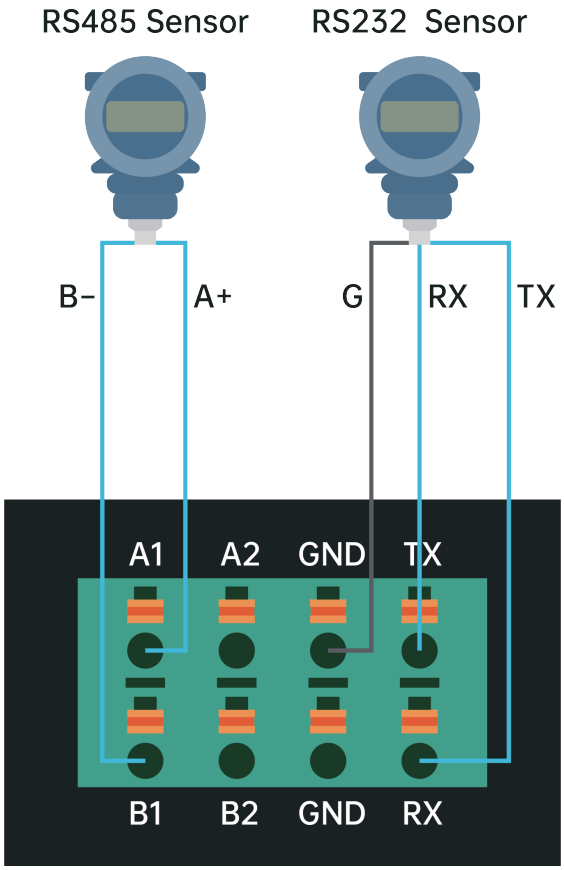


Power Wiring Diagram



RS485/232 Wiring Diagram

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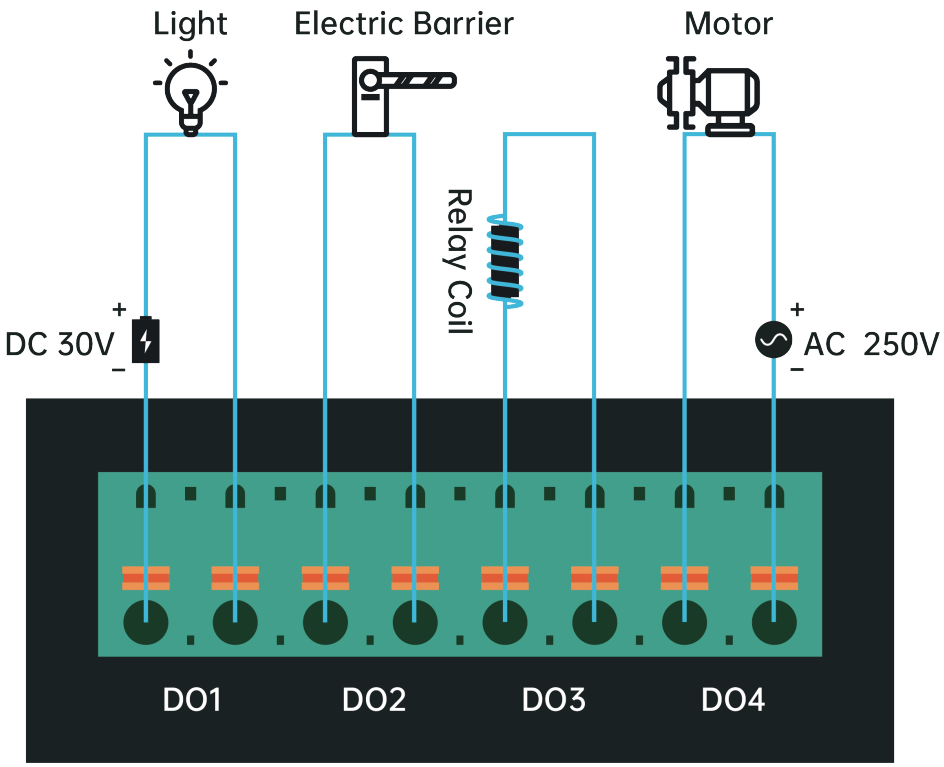

DO Wiring Diagram

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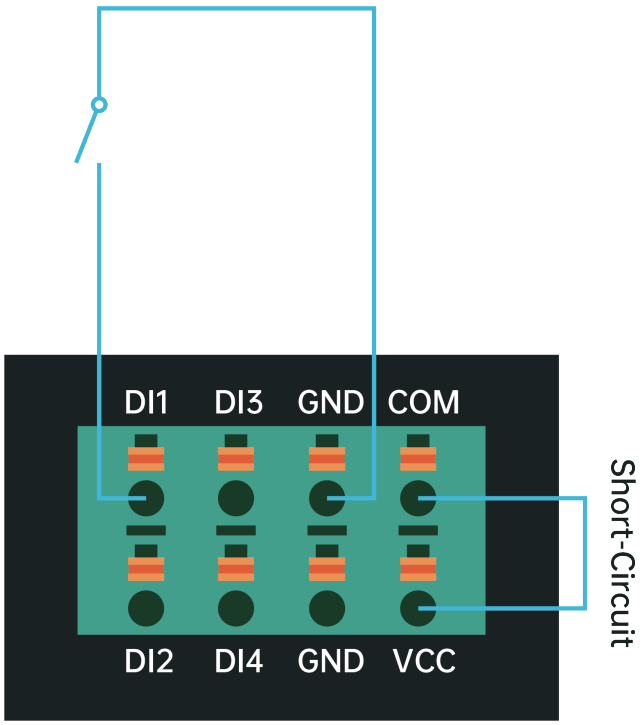
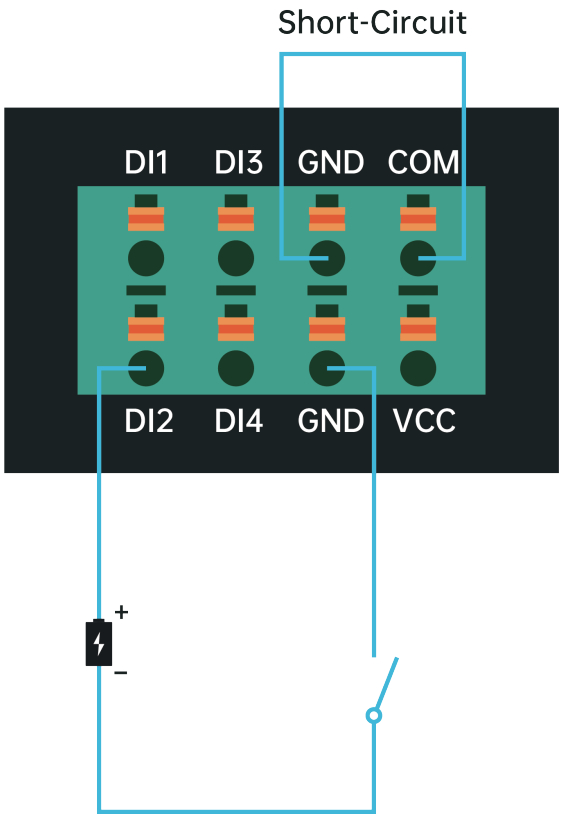


DI Dry Node Wiring Diagram

DI Wet Node Wiring Diagram



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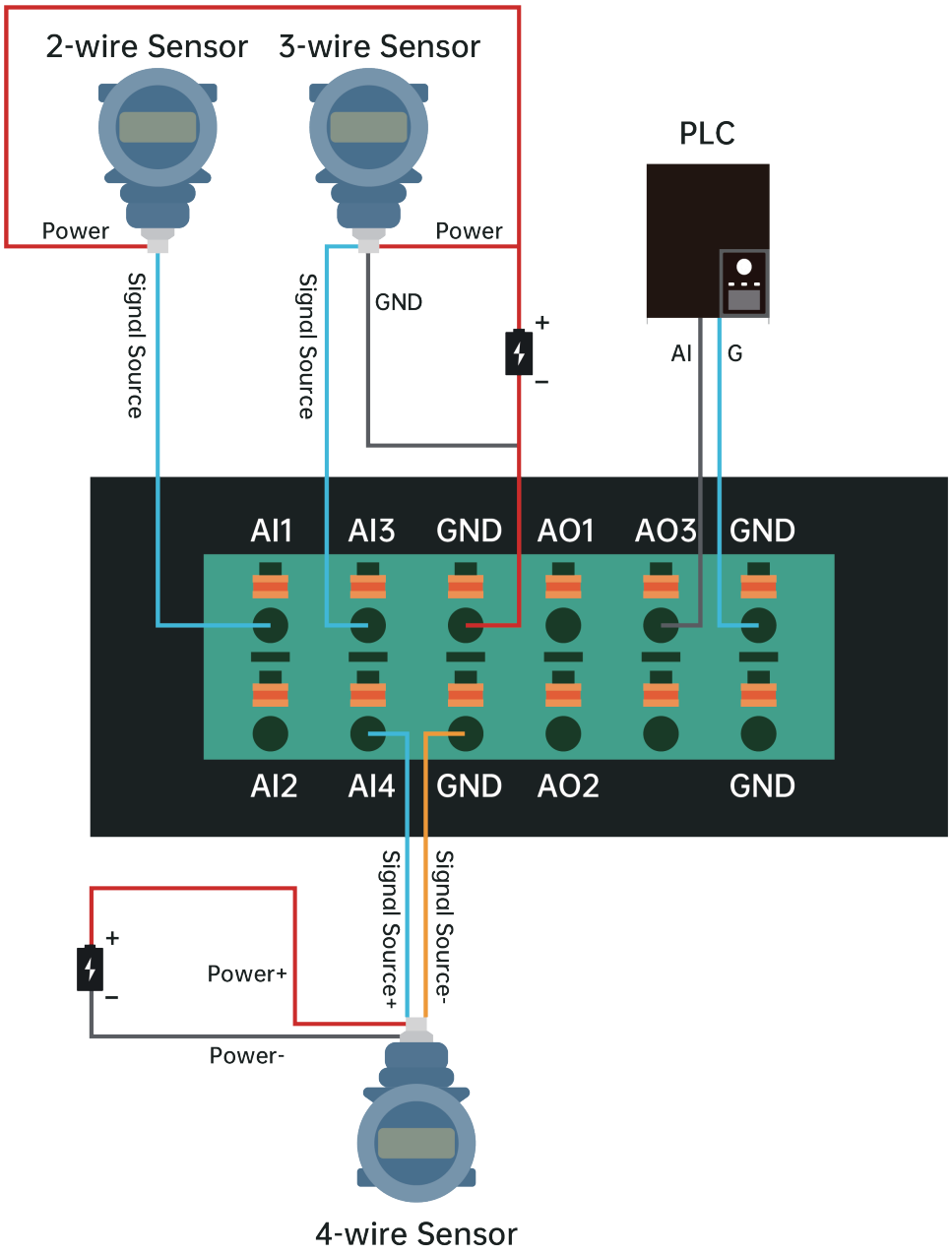

AI、AO Wiring Diagram

PRODUCT SIZE
产品尺寸

EG8000