



# PRODUCT SPECIFICATION

## T100



# Product Introduction



4G Cat.1

P2P Networking

Subnet Proxy

Network Serial Port

Remote O&M

The Net Genie T100 is an innovative **remote networking** device launched by IOTRouter Chengdu. It integrates an ARM A7 processor, 1 WAN/LAN port, dual RS485 interfaces, and operates reliably across 9–36V power input and -20 to 85°C environments.

The core advantage of this product focuses on **efficient** and **secure** networking: No public IP is required for **intranet penetration**, while **P2P direct connection** eliminates cloud bandwidth reliance for larger traffic. Its **decentralized architecture** with equal, independent nodes enables independent data forwarding for networking. Combined with **AES-GCM** encryption, it supports UDP NAT traversal for stable connections in complex networks, thus fully safeguarding data transmission security and flexibly meeting diverse IoT networking needs.

# Product Specification

Model		T100
Core Configuration	CPU	ARM Cortex-A7
	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
	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
	P2P Networking	Supported
	Subnet Proxy	Supported
	Network Serial Port	Supported
		Supported

# Wiring Instruction

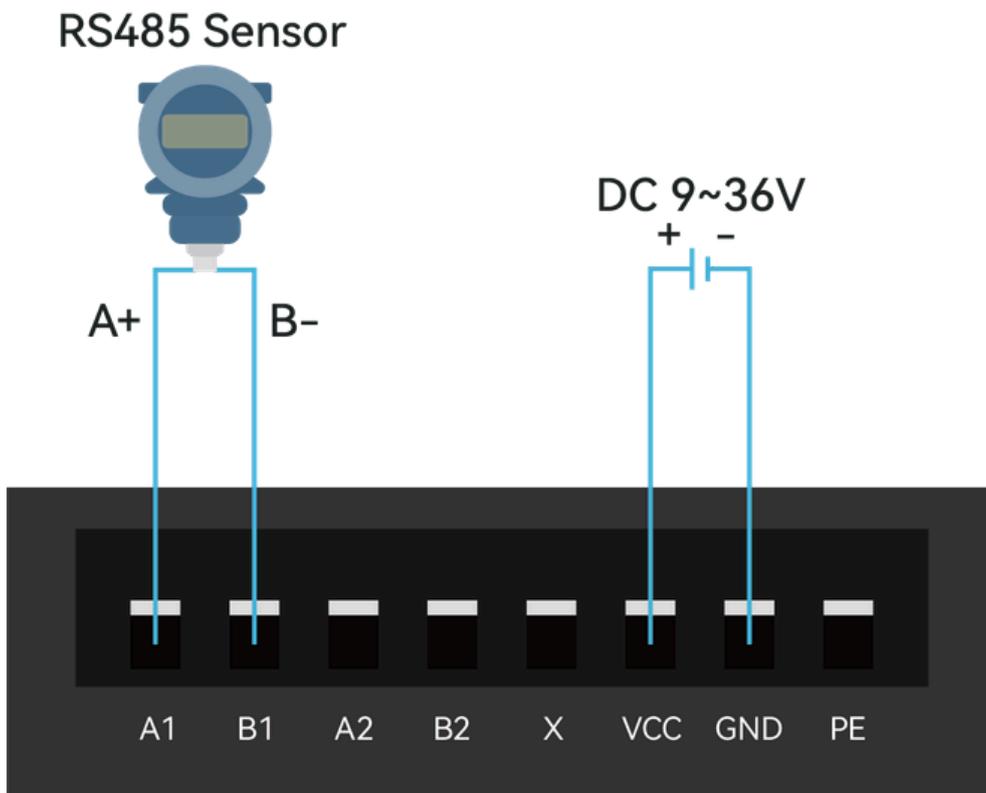


Interface Identification Diagram - 1



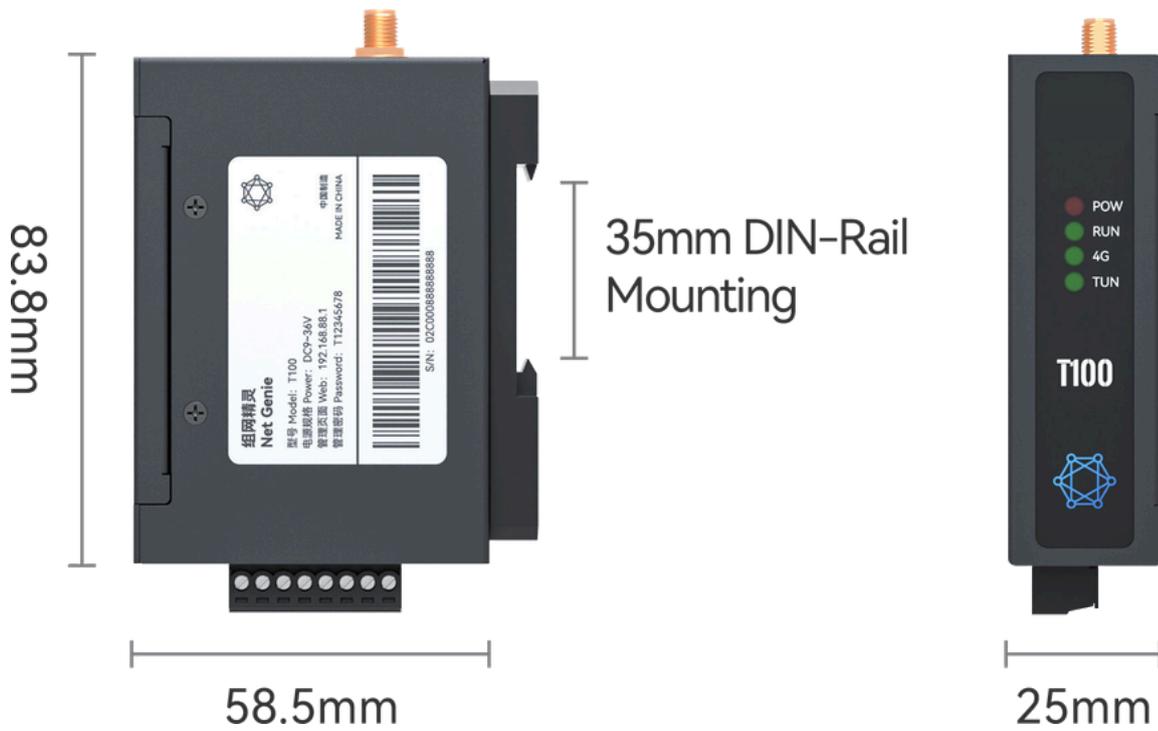
Interface Identification Diagram - 2

# Wiring Instruction



Power Supply & RS485 Wiring Diagram

## Installation Instruction



Product Size

# LEADING PROVIDER OF IT-OT CONVERGENCE PRODUCTS

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