

Product Overview

GT200-MT-CO is a gateway which supports CANopen and Modbus TCP. It can seamlessly connects CANopen devices to the Modbus TCP Network. The gateway acts as Modbus TCP Server and CANopen Master.

Features and Benefits

- Easy to use: User simply refers to the product manual and application example , configure the gateway according to the requirements then can achieve communication in a short period of time.
- Ethernet 10 / 100M adaptive.
- Provide easy-to-use configuration software.

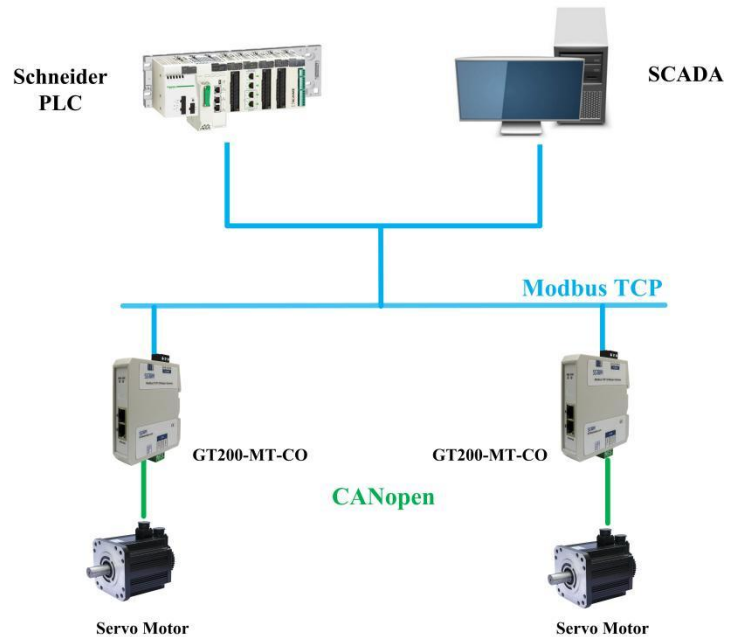
DIP Switch

The DIP switch is located at the bottom of the gateway, bit 1 is function bit and bit 2 is mode bit.

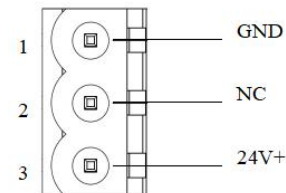
Bit 1	Bit 2	Description
Reserved	Off	Running mode, prohibits reading and writing configuration data
Off	On	Configuration mode, with fixed IP address 192.168.0.10, only can read and write configuration data
On	On	BootLoader mode, with fixed IP address 192.168.0.10

Notes: Restart GT200-MT-CO after resetting the configuration to make the configuration take effect!

Use Case

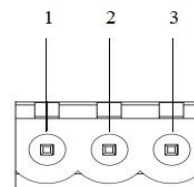


Power Interface



Pin	Wiring
1	GND(24V-)
2	NC(Not Connected)
3	+24V DC

CAN Interface



Pin	Wiring
1	CAN_L
2	Shield (Optional)
3	CAN_H



Technical Specifications

- [1] CANopen supports one channel CAN 2.0A. CAN baud rate: 10kbit/s, 20kbit/s, 50kbit/s, 100kbit/s, 125kbit/s, 250kbit/s, 500kbit/s, 1Mbps.
- [2] CAN terminal is equipped with a 120Ω terminal Resistor.
- [3] CANopen profile DS301 V4.02 and CiA Draft Recommendation 303 compliant.
- [4] Acts as a CANopen Master, supports 100 PDO and 100 SDO commands.
- [5] CANopen supports node guarding, Heartbeat, NMT and NMT_RESET command configurable functions.
- [6] Acts as a Modbus TCP server.
 1. Two 10M/100M adaptive network ports.
 2. Supports up to 8 Modbus TCP clients.
 3. Supports function codes: 03, 04, 06, 16.
 4. Supports maximum input and output 1202 bytes.
- [7] Power supply: 24VDC (11V-30V), 80mA (24VDC).
- [8] Operating Temp: -4°F to 140°F (-20°C to 60°C), Rel. Humidity: 5% -95%, non-condensing.
- [9] External dimensions (W*H*D): 1 in*4 in*3.5 in (25mm*100mm*90mm).

Indicators

Indicator	State	Description
ENS	Green On	Modbus TCP connection established
	Green Blinking	Modbus TCP connection is not established
	Red Blinking	Modbus TCP connection timeout
	Orange Blinking (Blinking alternately with CNS)	Configuration status
	Orange Blinking	Startup status
CNS	Red On	BUS OFF
	Green On	Node is in run mode
	Red light on periodically	The error counter of the CAN controller reaches or exceeds the guard value (too many error frames)
	Orange Blinking (Blinking alternately with the ENS)	Configuration status
	Orange Blinking once and off	Startup status