# GT200-MT-CA
EtherNet/CAN Gateway

Product Overview

The gateway GT200-MT-CA can connect multiple devices with Modbus TCP master interface to CAN networks, and establish the communication between them. It can monitor data on the CAN network through Modbus TCP, TCP Server, TCP Client and UDP protocols.

Technical Specifications

[1] Two 10M / 100M adaptive Ethernet port, half-duplex, full-duplex.

[2] Support CAN2.0A and CAN2.0B.

[3] CAN Baud rate support 1M, 500K, 250K, 125K, 100K,50K, 20K, 10Kbps.

[4] Can act as slave (Modbus TCP server), support FC3, FC4, FC16, each 8 registers (16 bytes) constitute 1 CAN frame.

[5] Modbus TCP server supports DHCP.

[6] Can act as TCP client or server and support 4 client connections, support for keep-alive, automatic detection of the presence of TCP connection.

[7] Support local port configuration.

[8] Power supply: 24VDC (11V-30V), 90mA (24VDC).

[9] Operating Temp.: -4°F to 140°F (-20ºC to 60ºC), Rel. Humidity: 5%-95%, non-condensing.

[10] Dimension (W*H*D): 25mm*100mm*90mm (0.98in*3.93in*3.54in).

[11] Mounting: DIN Rail Mounting (35mm).

## Power interface

Power interface is shown as below:
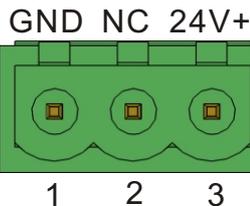
Pin	Function
1	GND
2	NC (Not Connected)
3	24V+, DC

Features

- Wide Application: Modbus master can visit devices with CAN interface;
- Easy to use: Easy configuration and finish network communication in a short period;
- Transparent Communication: Every frame of Modbus input/output message must include 8 registers;

CAN interface

CAN side is the open five-pin connector, as shown below:
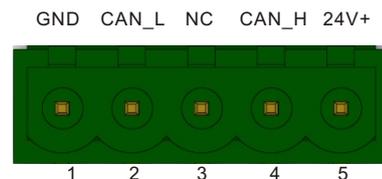
Pin	Wiring
Pin 1	GND(24V-)
Pin 2	CAN-
Pin 3	NC
Pin 4	CAN+
Pin 5	24V+

Ethernet interface

Ethernet interface uses RJ-45 connector; its pin (standard Ethernet signal) is defined as below:
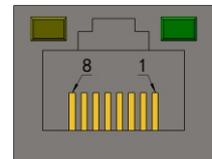
Pin	Description
S1	TXD+, Tranceive Data+, Output
S2	TXD-, Tranceive Data-, Output
S3	RXD+, Receive Data+, Input
S4	Bi-Directional Data+
S5	Bi-Directional Data-
S6	RXD-, Receive Data-, Input
S7	Bi-Directional Data+
S8	Bi-Directional Data-

Appearance

- DIP Switch
- Power Interface
- CAN Status Indicator
- Ethernet Status Indicator
- Ethernet Port
- CAN Port

Indicators

Indicators	Status	Descriptions
ENS (Ethernet status indicator)	Green On	Modbus TCP connection has been established
	Blinking(Green)	Modbus TCP connection has not been established
	Red On	DHCP status
	Blinking three times (Red)	Modbus TCP connection is disconnected
CNS	Red On	CAN network error
	Green On	CAN network normal
ENS (Orange) and CNS (Orange)(Orange: Red and green light on at the same time)	Blink alternately	Configuration Mode
ENS (red), CNS (red)	Blink Simultaneously three times	Using locate function

DIP Switch

The DIP switch is located at the bottom of the gateway, bit 2 is mode bit and bit 1 is function bit.
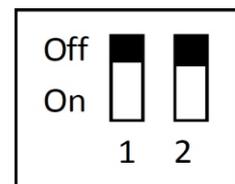
Mode (bit 2)	Function (bit 1)	Description
OFF	OFF	Run mode, allow remote configuration
OFF	ON	Run mode, prohibit remote configuration
ON	OFF	Configuration mode, IP address is 192.168.0.10 (fixed). Only for accessing configuration data, not allow for run mode
ON	ON	Reserved

Notes:

Restart GT200-MT-CA (power off and power on) after resetting the configuration to make the configuration take effect!