MW-CANET100

1-port Opto-isolated Wall-mounted Ethernet CAN Server

Product description

MW-CANET100 Ethernet CAN Server supports 1x100M Ethernet electrical port and 1 CAN-bus interfaces for networking, which adopts 32-bit Arm Cortex-M7 core CPU, up to nearly 400MHz main frequency. Each CAN interface is independent of each other, does not affect each other, and can be configured into different modes and baud rates.

Features:

-10/100M Ethernet copper port, 1-way CAN-bus port+1-way RS232/485 serial port

-Adopt 32-bit Arm Cortex-M7 core CPU, up to nearly 400MHz main frequency

-External independent hardware watchdog design to prevent crashes

-Ethernet interface up to 6KV lightning protection, CAN interface up to 4KV surge protection

-Isolation design, CAN interface isolation voltage 2KVAC, each CAN interface is independent of each other, does not affect each other, and can be configured into different modes and baud rates

-Provide industrial-grade DC power supply DC9~36V input, with anti-reverse connection protection

-Meet the industrial temperature range of -40℃~+85℃

MAIWE

Product specification

Power	
Operating Voltage	DC9~36V
Working current	65mA@12V

Ethernet port	
Network port type	10/100Mbps, support MDI/MDIX cross-direct connection automatic flip
Isolation protection	1.5KV isolation protection
Duplex mode:	Self-adaptive Full/Half Duplex Mode

CAN-bus interface	
CAN quantity	1-way, CAN signal: CANH, CANL,
Way of working	Normal, loopback, listen
CAN baud rate	5K~1M (bps)
CAN protection	2KVAC isolation
Matching resistance	Terminal configuration

Reliability	
ESD	±8kV (contact discharge); ±15kV (air discharge)
Surge	Power supply: ±4kV/common mode ±4kV/differential mode CAN interface: ±4kV/common mode ±4kV/differential mode Network port: ±6kV/common mode ±4kV/differential mode
EFT	Power supply: ±4kV Communication port: ±2kV

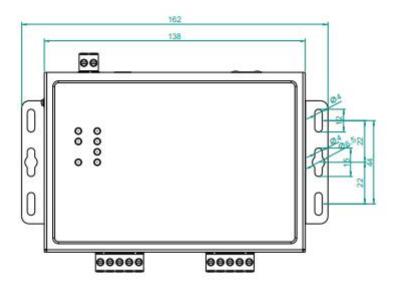| Software parameters	
CAN ID filtering function	Support
CAN additional functions	CAN to RS232/RS485
CAN cache	Send: 200 complete data packets (each channel); Receive: 200 complete data packets (each channel)
Heartbeat packet (only client)	Support
Registration package (client only)	Support
Average transmission delay	<10ms
Packing length	1~50 frames
Packing interval	1~255ms
No data timeout	Support
Modbus TCP (slave) to CAN	Support
Static IP, DHCP	Support

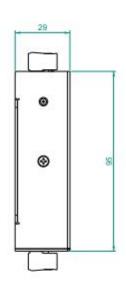| Security	Classification of User Permissions
Network operation mode	TCP Client/TCP Server/UDP Client/UDP Multicast/Pair Connection/Websocket Client/HTTPD Client
Support network protocol	ARP, ICMP, UDP, TCP, IP, HTTP, DHCP and DNS
Button to restore the factory	Support
Firmware upgrade	Support web upgrade
Configuration Method	WEB configuration management, Windows configuration tool
Others	
Housing	IP40, Metal case
Installation method	Wall mounted/Desktop Installation
Size	162x95x29(mm)
Working environment	-40℃～+85℃ 5%～95% RH (no condensation)
Storage temperature	-40℃～+85℃ 5%～95% RH (no condensation)
Industry Standard	
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5
Impact	IEC60068–2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Warranty	
Warranty	5 Years
Certification	CE, RoHS

Dimensional drawing

Din-rail mounting (unit: mm)

Ordering information

MW-CANET100	1-way CAN-bus interface to 1-way10/100M Ethernet port wall-mounted CAN server, DC9~36V power supply.