CS-CANET100

CAN-Bus to RS232/485 Wall Mount CAN Converter

- Support 1x100M Copper port, 1 CAN isolated port, 1 isolated RS232/485, meeting various industrial bus or network field requirements
- Support CAN to RS232/RS485, support transparent conversion, transparent with logo conversion, format conversion, Modbus conversion and other conversion modes
- External independent hardware watchdog design to prevent crashes
- Industrial-grade DC9~36V input and support reverse connection protection
- High-strength metal enclosure, IP40 protection level, fanless design,
- -40°C to +85°C working temperature

Product Description

CS-CANET100 is a wall mount CAN converter with isolated CAN to RS232/RS485 interface. It features a 32-bit Arm Cortex-M7 core with a high clock frequency of up to 400MHz and an external hardware watchdog design. This product supports 1 100M copper port, 1 CAN port and 1 RS232/485 serial port. It can realize mutual transparent conversion between CAN and RS232/485. It adopts wall-mounted installation method and can meet the needs of different application sites. Further Expanded the scope of CAN bus network.

This CAN converter supports WEB configuration of a variety of network management functions, such as serial port/CAN working mode, DNS, network logs, port restart, system management, etc.; supports transparent conversion, transparent conversion with logo, format conversion, Modbus conversion, etc. A conversion mode to realize CAN to serial port or Modbus RTU protocol. In terms of core components, the

product adopts industrial-grade quality design solutions and has many advantages such as wide temperature and wide voltage, anti-lightning strike, anti-electromagnetic interference, high reliability, high performance, and suitable for operation in harsh environments. It can be used for industrial control, Automotive electronics, building automation and measuring instruments, etc.

Product Features

- Utilize a 32-bit ARM Cortex-M7 core with a high operating frequency of up to 400MHz
- CAN ports support selectable baud rates ranging from 5kbps to 1000kbps
- Serial port supports optional baud rate of 600bps~460800bps
- Support CAN standard frame ID and extended frame ID filtering
- Support transparent conversion to realize direct conversion of CAN messages into RS232/485 serial frames
- Support transparent identification conversion, converting the address in the serial frame into the frame ID of the CAN message, maximizing adaptability to user-defined protocols
- Support format conversion, fixed 13-byte serial frame data corresponds to a CAN message, providing a simple usage mode
- Support Modbus conversion to realize conversion between Modbus RTU data and CAN data
- Support statistics on the number of frames sent and received by the bus port
- Support user management with different permissions
- Support network logs and can be remotely monitored through the log server
- Support online restart of serial port and CAN port, device restart, factory reset and upgrade

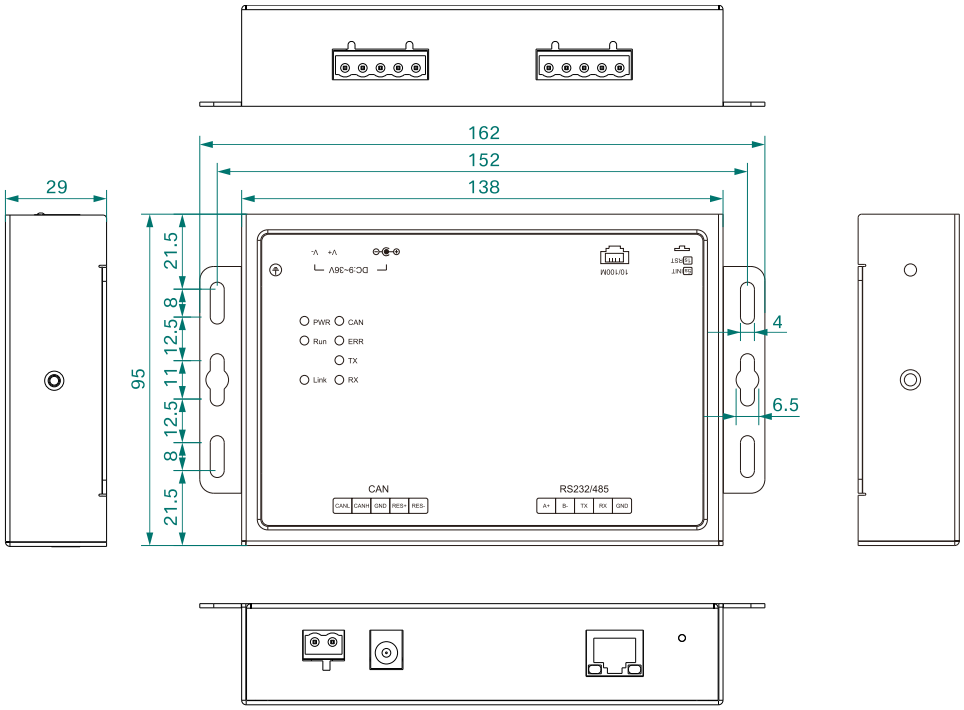
Technical Specifications

Software	
Network Protocol	IP, TCP/UDP, ARP, ICMP, DHCP, DNS, HTTP
IP Obtaining Method	Static IP/DHCP
User Configuration	Web Configuration
CAN Relay	Support
CAN Model	Normal mode, loopback mode, monitoring mode
CAN To Serial Port	Transparent conversion, transparent with logo conversion, format conversion, Modbus conversion
CAN ID Filtering	Standard frame ID filtering, extended frame ID filtering
CAN Transmit/Receive	Send: 6000 frames per second; Receive: 8000 frames per second
CAN Buffer	Send: 200 complete data packets per channel; Receive: 200 complete data packets per channel
Serial Buffer	Send: 1.5Kbyte; receive: 1.5Kbyte
Average transmission delay	<10ms
Interface	
CAN	Ports: 1*CAN Connection Method: Terminal blocks with 5.08mm spacing Baud Rate: 5kbps to 1000kbps Termination Resistance: Built-in 120Ω termination resistance, can be connected via terminal blocks Isolation Protection: 2kVAC
Serial Port	Serial port type: 1 channel RS232/485 Connection method: 5-position 5.08mm pitch terminal block Baud rate: 600bps~460800bps Data bits: 7bit, 8bit Stop bit: 1bit, 2bit Check digit: None, Odd, Even Isolation protection: 2kVAC
Button	One-button restart or factory reset button

Status LED	Power indicator, operation indicator, Ethernet port indicator, CAN indicator, ERR indicator
Power Supply	
Input Voltage	DC9~36V
Power Consumption	< 0.8W@DC12V(full load)
Connection	2-pin 5.08mm pitch terminal blocks or Φ2.5mm DC round head
Physical Characteristics	
Dimensions	162×95×29 (mm) (mounting brackets included)
Installations	Wall mount
IP Code	IP40
Working Environment	
Operating Temp	-40℃~+85℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD - Electrostatic Discharge): ● Contact Discharge: ±8kV ● Air Discharge: ±15kV IEC 61000-4-5 (Surge): ● Power Supply: Common Mode ±4kV, Differential Mode ±2kV ● CAN: Common Mode ±4kV, Differential Mode ±2kV ● Ethernet Port: Common Mode ±6kV, Differential Mode ±2kV IEC 61000-4-4 (EFT - Electrical Fast Transient): ● Power Supply: ±4kV ● Communication Port: ±4kV
Certification	CE, FCC, RoHS

Dimensions

Unit: mm


162
152
138
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95
21.5
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12.5
11
12.5
8
21.5
4
6.5
PWR
CAN
Run
ERR
TX
Link
RX
CAN
RS232/485

Ordering Information

Standard Model	100M Copper Port	CAN	RS232/RS485	Input Voltage
CS-CANE100	1	1	1	DC9~36V

Contact Us

COME-STAR COMMUNICATION(WUHAN) CO., LTD.

Address: Puneng Industrial Park, Fenghuang Garden 1st Road, East Lake High-Tech Development Zone, Wuhan, China.

Tel: +86-027-59257958

Mail: info@come-star.com

Official site: www.come-star.com