Cport3101R-485

RS485 to Ethernet Serial Server

- Compatible with the RS485 bus in the industrial field
- Support the host computer configure/query the device parameters through the serial port AT command
- Support TCP Client, UDP Client
- Support for 2 socket connections
- Support heartbeat package and registration package function, with ICCID, IMEI, user custom data
- Support transparent transmission, COME-STAR cloud communication protocol, Ali MQTT, China Mobile OnetNet MQTT protocol

Product Description

Cport3101R-485 Modbus RS485 to Ethernet converter can realize bidirectional transparent transmission between RS485 and Ethernet. It carries ARM processor, low power, fast speed, high stability. Via web-page or software, RS485 to Ethernet Converter can realize serial data and TCP/IP data package transparent transmission.

Product Features

- ARM base on Cortex-M0 kernel, and reliable TCP/IP protocol stack

- Industrial working temperature range from -40C ~85C

- Auto-MDI/MDIX, RJ45 port with 10/ 100Mbps

- Support TCP server, TCP client, UDP server, UDP client, HTTPD client and modbus TCP work mode

- Serial port baud rate can be set from 600bps to 460.8Kbps, parity: None, Odd, Even, Mark, Space

- Support self-defined heartbeat package, keep the connection can never crash

- Support self-defined registration package, check the station of the connection, which also can sed as the self-defined package head. Users can use the MAC as the registration package.

- Under the TCP server mode, the number of the client connected to the server can be set from 1-8, default 4

- Under the TCP server mode, if the number of the clients number is 8, kick the old one or not can be set

- Configure the parameters via the webpage, AT command, serial protocol and net protocol, provide setting protocol, and users can put into their software

- Support TCP client short connection, the disconnection interval can be set

- Support timeout restart(no data and restart), the restart time can be set

- Before the TCP connection build, client the buffer data or not can be set

- Support DHCP, obtain the IP automatically

- The global unique MAC address bought from IEEE, also users can define MAC address

- Support DNS function, and analyze the domain name. The DNS server address can be set

- Upgrade firmware via network

- Support hardware and software restore default settings

- Running across the gateway, converter and the router

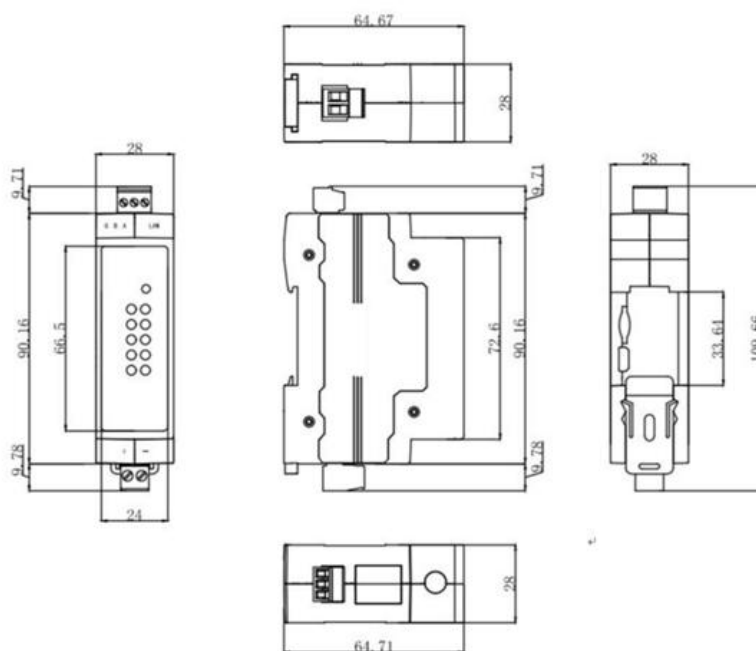- Running in LAN or in access the external net

COME-STAR

Technical Specifications

Hardware	
Input Voltage	DC5～36V
Working Current	130mA@5V
Net Interface Format	RH45, 10/1000Mbps
Serial Baud Rate	600~460.8K(bps)
Serial Port	RS485*1
Software	
Net Protocol	IPV4, TCP/UDP, ARP, ICMP, IPV4
IP Access	Static IP, DHCP
DDNS	Support
User Configuring	Software configuring and webpage configuring
Transmit Way	TCP server, TCP client, UDP server, UDP client
Similar RFC2217	Support
HTTPD client	Support
TCP Server	At most support 8 TCP client to connection
Net Buffer	Send:16Kbyte; receive:4Kbyte
Serial Buffer	receive:1Kbyte
Average Delay	<10ms
Packaging Mechanism	4 bytes packaging time, 1024 bytes packaging length.
Others	
Certification	CE, FCC, RoHS
Protection	1.5KV electromagnetic isolation

Dimension	71.0*60.0*25.0mm (L*W * H)
Operating Temp.	-40～+85°C
Storage Temp	-40~+105°C
Operating Humidity	5～95% RH
Storage Humidity	5～95% RH
Packaging	Electrostatic bubble

Dimensions

Unit: mm

Ordering Information

Standard Model	RS485	ETH	Input Voltage
Cport3101R-485	1	1	DC5~36V

📞 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