Ethernet Converter

3C-RS232/422/485-ETH

Product function: RS232 RS485 RS422 to Ethernet Converter

3C-LINK Serial to Ethernet Converter, also known as Serial to Ethernet Server or Serial Device Server, which can realize bidirectional transparent transmission between RS232/RS485/RS422 and Ethernet. By way of setting web-page or software, 3C-LINK Serial to Ethernet Converter can realize serial data and TCP/IP data package transparent transmission.

Product characteristic:

- Auto-MDI/MDIX, RJ45 port with 10/100Mbps
- Work mode: TCP Server, TCP Client, UDP Client, UDP Server, HTTPD Client
- Baud rate of serial port can be configured from 600 bps to 230.4 Kbps, supports check bit of none, odd, even, mark and space
- Heartbeat package mechanism to ensure connection is reliable, put an end to dead link

- User-defined registration package mechanism, check connection status and use as custom packet header
- Supports RS232/RS485/RS422 port (Can't be used at one time)
- Under TCP Server Mode, the connection number with client can be randomly set from 1 to 16, default number is 4. IP has been connected can be shown according to connectiong with calculating send / recceive dat.
- When connection number reaches a maximun, the new connection is kicked off the old one can be configured by user
- Parameters can be configured by built-in webpage, AT command, serial port procotol and network procotol. Setting procotol is avaliable to integrate into user's software.
- Supports TCP client short connection function, user-defined the disconnected time.
- Device restart if no data transmission or timeout. User-defined the restart time.
- If data buffer needs to clear configuration before TCP connection establishment
- Supports DHCP, automatically obtain an IP address and query IP address via serial setting protocol.
- The global unique MAC address, user-defined MAC address
- DNS function
- DNS server addres can be defined
- Firmware can be upgraded by network
- Provide Virtual com software
- Restore factory setting through software or hardware
- Running across the gateway, switches or routers.
- Can work in LAN, also can work in the Internet

Product Parameter:

Hardware	
Work Volt	DC 5.0～36.0 V
Work Current	116mA@5V/53mA@12V
Ethernet Port	10/100Mbps auto switch between cross and direct connection
Baud rate	600-230.4K bps
Serial Port	RS232*1 / RS485*1 / RS422*1 Can't be used at one time
Software	
Network Protocol	IP, TCP/UDP, ARP, ICMP, IPV4
IP Mode	Static IP, DHCP
DNS	User-defined DNS server address
Configure	Software/Webpage/AT command
Work Mode	TCP Server/TCP Client/UDP Server/UDP Client
RFC2217	Supports resemble RFC2217
Httpd Client	Supports
Connection Number	Connection number with client can be randomly set from 1 to 16 under TCP server mode
Network Buffer	Send: 6Kbyte, Receive: 4Kbyte
COM Buffer	Receive: 2Kbyte

Avg. Transmission Delay	<10ms
Software	Virtual-COM, 3C-Cloud, Setup software provided
Packing mechanism	4 bytes of packing time, 400 bytes of packing length
Other	
Certificate	CE & FCC
Reliability level	2KV Electromagnetic isolation
Size	98.0*86.0*24.5 mm(L*W*H)
Work Temp	-25~75°
Store Temp	-40~105°
Work Humidity	5%~95% RH
Store Humidity	5%~95% RH
Package	Static Foam

Working condition:
Input voltage: AC220V; AC 110V; DC－48V; DC+24V
Power consumption: ≤5W
Operating temperature: 0°C ~ 50°C
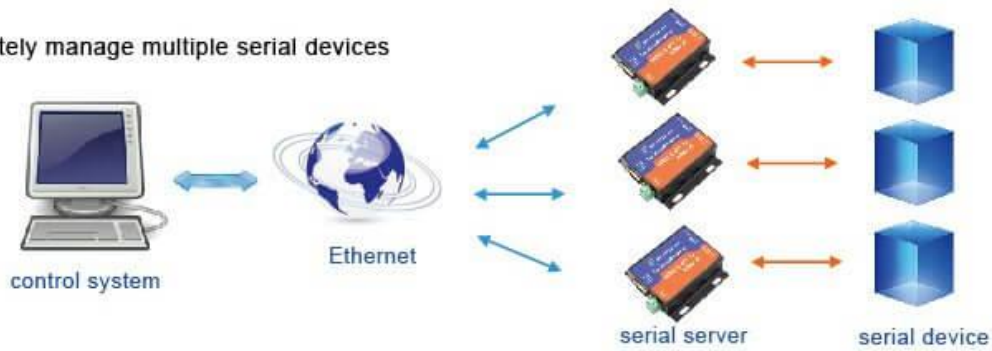Storing temperature: －40°C ~ +70°C
Relative humidity: 95 %

Order information:

Part Number	Product Description
3C-RS232/422/485-ETH	RS232/RS422/RS485 series modem to Ethernet, 220VAC
3C-RS232-ETH	RS232 series modem to Ethernet, 220VAC
3C-RS422-ETH	RS422 series modem to Ethernet, 220VAC
3C-RS485-ETH	RS485 series modem to Ethernet, 220VAC

Application:

Remotely manage multiple serial devices

control system — Ethernet — serial server — serial device

Use network to extend serial communication distance

serial device — serial server — Ethernet — serial server — serial device

Multiple PC to remotely manage serial device

control system — Ethernet — serial server — serial device