



Industrial Serial Server Specification

TCP232-410s



Introduction

TCP232-410s is a multi-functional serial-to-Ethernet module that enables bidirectional transparent data transmission between Ethernet port and serial ports. TCP232-410s is a dual serial port server, using the Cortex-M7 solution, the main frequency is up to 400MHz, with stronger performance, faster transmission speed and higher reliability. It comes with 1*RS232 and 1*RS485 serial ports, and the two serial ports can work simultaneously.

This serial device server supports various working modes such as TCP Server, TCP Client, UDP, Httpd Client, WebSocket, and can be easily configured via built-in webpage or Config Software. At the same time, it integrates TCP/IP protocol stack, which allows users to easily complete the serial-to-Ethernet conversation, saving manpower and development time, making products faster to market and enhancing competitiveness.

Specifications

Model	TCP232-410s
Processor	NXP Solution, Cortex-M7
Frequency	400MHz
Power	
Power Supply	DC 5.0 ~ 36.0 V, 59.7mA @12V
Ethernet	
Port Number	1 x RJ45, 10 /100 Mbps, auto MDI/MDX, 1.5KV electromagnetic isolation
Serial Port	
Port Number	1 x RS232, DB9-male, 1 x RS485, 3-pin terminal block, can work simultaneously.
Baud rate	600 bps~230.4Kbps
Data Bits	7, 8
Stop Bit(s)	1, 2
Parity Bit	None, Even, Odd
Flow Control	Hardware: RTS/CTS (Only RS232) Software: XON/XOFF
Physical Character	
Dimensions(mm)	82.5*86*25mm(L*W*H)
Operating Temperature	-40 ~ 85°C
Storage Temperature	-40~105°C
Operating Humidity	5% ~ 95% (Non-condensing)
Storage Humidity	5% ~ 95% (Non-condensing)
Basic Features	
Network protocol	IP, TCP, UDP, HTTP, ARP, ICMP, DHCP, DNS
IP Assignment	Static/DHCP
DNS Service	√
Built-in Webpage	√
Config Method	Built-in Webpage, Config Software, AT Command
Work Mode	TCP Server/TCP client/UDP Server/UDP Client/HTTPD client
Modbus Gateway	Modbus RTU/TCP protocol conversion, Multi-host polling: up to 16 hosts
WebSocket	√
RF2217 Similar	√
Registration Packet	√
Heartbeat Packet	√
Serial Packets Cache	Dynamic packet cache. For example: When the packet length is 10 bytes, the serial port can cache 371 packets(3.71KB). When the packet length is 1460 bytes, the serial port can cache 10 packets(14.6KB).
Ethernet Packets Cache	48KBytes
Others	
Certificate	CE, FCC, *RoHS, *WEEE
Warranty	2 years