

## ● DTU serial port server

ELITEUN DTU serial port server can transmit data transparently between wired network port and RS232/RS485/RS422 interface. Integrated with TCP/IP protocol stack, it helps users to easily set up network function of embedded devices.

### Key Features

- New ARM core, industrial operating temperature range, carefully optimized TCP/IP stack
- Support virtual serial port working mode, provide corresponding software (ELT-VCOM)
- Support static IP address or DHCP to automatically obtain IP address, and can inquire devices on the network through the UDP broadcast protocol
- Support Modbus Gateway
- With built-in webpage to configure parameters, and customized webpages are available
- Support the keepalive mechanism to quickly detect anomalies such as disconnection and then restore connection right away
- Hardware watchdog function and automatic reboot to ensure reliability and stability
- Support one-way WebSocket function to realize bi-directional transmission of data between webpage and serial port
- Support serial AT command



# Specification

Category		Specification
Hardware specification	Working voltage	DC 5 ~ 36 V
	Working current	95mA@5V
	MCU	TI TM4C129EKCPDT ARM Cortex-M4
	Power protection	Anti-reverse Connection, ESD protection: 15KV, Anti-surge: 4KV (8/20us) EFT: 1.5KV 100KHZ
	Network port specifications	RJ45, 10/100Mbps, Self-adaptive
	Support serial port	RS232/RS485/RS422
	Serial port baud rate	600~230.4K (bps)
	Serial port protection	ESD protection: 8KV , Anti-surge: 4KV (8/20us)
Software specification	Networking protocol	IPV4, TCP/UDP
	IP acquisition	Static IP, DHCP
	DNS	support
	User configuration	Software configuration, Web page configuration, Serial/network AT command
	Simple pass-through	TCP Server/TCP Client/UDP Server /UDP Client, support for dual sockets
	Modbus	Support for Modbus Gateway
	Web page to serial port	supporting WebSocket communication mode
	Custom webpage	support
	RFC2217-like	support
	Httpd Client	support (GET/POST)
	TCP Server connection	Supports up to 8 TCP connections
Average transmission delay	<10ms	
Others	Dimensions	86*81*24mm(L*W*H)
	Operating temperature	-40 ~ 85°C
	Storage temperature	-45 ~ 105°C
	Operating humidity	5% ~ 95% RH(no-condensing)
	Storage humidity	5% ~ 95% RH(no-condensing)

