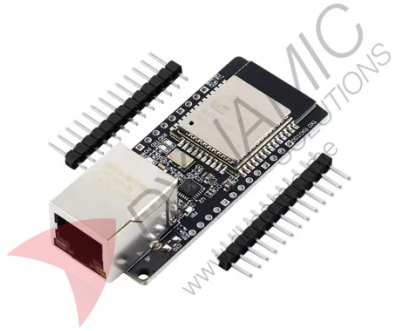


WT32-ETH01 ESP32 Wifi Wireless Module



Features:

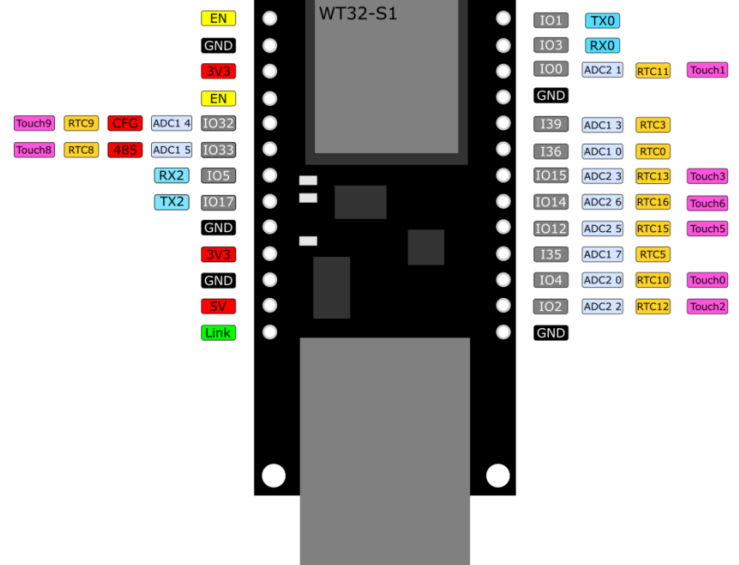
The WT32-ETH01 is an ESP32-based serial-to-Ethernet module with an integrated TCP/IP stack, combining 2.4GHz Wi-Fi 802.11 b/g/n/e/i, Bluetooth v4.2 BR/EDR and BLE, and a 10/100Mbps RJ45 port with cross straight adaptive support. Wi-Fi runs in Station, softAP, SoftAP+station and P2P modes with WPA/WPA2/WPA2-Enterprise/WPS security, over IPv4 TCP/UDP with static IP or DHCP, configured by AT instruction set and upgradable by remote OTA. Power is supplied on either 3V3 or 5V, never both. LED1 indicates power, LED3 RXD2 (IO5) data flow and LED4 TXD2 (IO17) data flow, and a separate six-pin debug burning interface carries EN, GND, 3V3, TXD, RXD and IO0.

Specifications	
Model	WT32-ETH01
Model Version	v1.4
Wi-Fi Protocols	802.11 b/g/n/e/i, 802.11n up to 150 Mbps
Wi-Fi Aggregation	A-MPDU and A-MSDU, 0.4_s guard interval
Wi-Fi Frequency Range	2.4 to 2.5 GHz
Wi-Fi Modes	Station / softAP / SoftAP+station / P2P
Wi-Fi Security	WPA/WPA2/WPA2-Enterprise/WPS
Encryption	AES/RSA/ECC/SHA
Bluetooth Protocols	v4.2 BR/EDR and BLE
Bluetooth Radio	NZIF receiver, -97 dBm sensitivity
Network Port	RJ45, 10/100Mbps, cross straight adaptive
Network Protocols	IPv4, TCP/UDP
IP Acquisition	Static IP, DHCP (default)
Transmission Modes	TCP Server / TCP Client / UDP Server / UDP Client
User Configuration	AT instruction set
Firmware Upgrade	Remote OTA over the network
Software Development	SDK for user secondary development
Serial Port Baud Rate	80 to 5000000
On-board Flash Memory	32 Mbit
Operating Voltage	5V or 3.3V (choose one)
Operating Current	80mA average
Power Supply Current	500mA min
Operating Temperature	-40 to +85C
Board Size	63 x 25.5mm x 17.2mm
RJ45 Connector	21 x 16 x 13.3mm
Usage	Smart device integration, wireless communication in industrial and consumer applications, networking of embedded devices, serial to Ethernet transmission

Pinouts:

I/O	Functional Description
EN	Enable signal, active high
CFG	IO32, CFG
485_EN	Enable pin of IO33, RS485
RXD	IO5, RXD2
TXD	IO17, TXD2
GND	GND
3V3	3V3 power supply
GND	GND
5V	5V power supply
LINK	Network connection indicator pin
GND	GND
IO39	IO39, only supports input
IO36	IO36, only supports input
IO15	IO15
IO14	IO14
IO12	IO12
IO35	IO35, only supports input
IO4	IO4
IO2	IO2
GND	GND

WT32-ETH01



Product Pictures:

