W5500M

SPI To Ethernet TCP/IP Network Module Mini



- 80MHz high-speed SPI interface
- Built-in hardware TCPIP protocol stack, users need almost no knowledge of complex network protocols
- Support up to 8 Socket connections
- Support TCP, UDP, ICMP, IPv4, ARP, IGMP, PPPoE protocol
- Integrated data link layer, physical layer
- Support power-down wake up
- Support high-speed serial peripheral interface (SPI mode 0~3)
- Internal 32K byte send and receive buffer
- Embedded 10BaseT/100BaseTX Ethernet Physical Layer (PHY)
- Support auto-negotiation (10/100-Based full/half-duplex)
- IP fragmentation is not supported
- 3.3V working voltage, I/O signal port 5V withstand voltage
- LED status display (full-duplex / half-duplex, network connection, network speed, active status)
- Ultra-small pin package for easily embedded applications
- Provide C application routines