# Shenzhen Rui Chi Electronics Co., Ltd.,

## Red Ethernet module W5100



"Introduction:

W5100 is a multifunctional monolithic network interface chip, which has 10/100 Ethernet controller, which is mainly used in high integration, high stability, high performance and low cost embedded system. . Use Internet to achieve the W5100 connection without the operating system. W5100 is compatible with 10BASE-T 802. 3u and 100BASE-TX IEEE802. 3. W5100 integrated hardware, and after many years of market verification TCP/IP protocol stack, Ethernet medium transport layer (MAC) and physical layer (PHY). The use of W5100 do not need to consider the Ethernet control, simply port (Socket) programming.

Product characteristic

- multiple interfaces can be chosen: direct bus, indirect bus and SPI bus;
- supports hardware TCP/IP protocol stack, supports TCP, UDP, ICMP, IGMP, ARP, PPPoE., IPv4
- up to 4 separate ports;
- internal integrated 16KBYTE transceiver caching;
- multiple information indicating output, including RX, TX, Full/Duplex, Colision, Link, Speed;
- supports automatic polarity conversion (DMI/MDIX);
- 3.3V power supply, IO signal compatible with 5V voltage;
- with the network port, double 2*14 2.0mm pin;
Arduino official Ethernet library. Rhododendron aureum

RUI CHI