



Description:

ESP-07 ESP8266 Serial WiFi Module is packaged in SMD, through the standard SMT equipment to achieve rapid production of products, to provide with high reliability of the connection, especially for automation, large-scale, low-cost modern production methods, It's suitable for all kinds of Internet of things hardware terminal occasion.

Specifications:

CPU and Memory

1. Processor: L106 32-bit RISC microprocessor core based on the Tensilica Xtensa Diamond Standard 106Micro running at 80 MHz
2. RAM size < 36kB, that is to say, when ESP8266EX is working under the station mode and is connected to the router, programmable space accessible to user in heap and data section is around 36kB.)
3. External SPI Flash: mounted with **1Mb esp07** flash to store user programs.
4. The frequency of crystal oscillators supported include 40MHz, 26MHz and 24MHz.
5. UART Support 300 ~ 4608000 bps 'Default 115200 bps
6. Package **SMD16 for esp07**

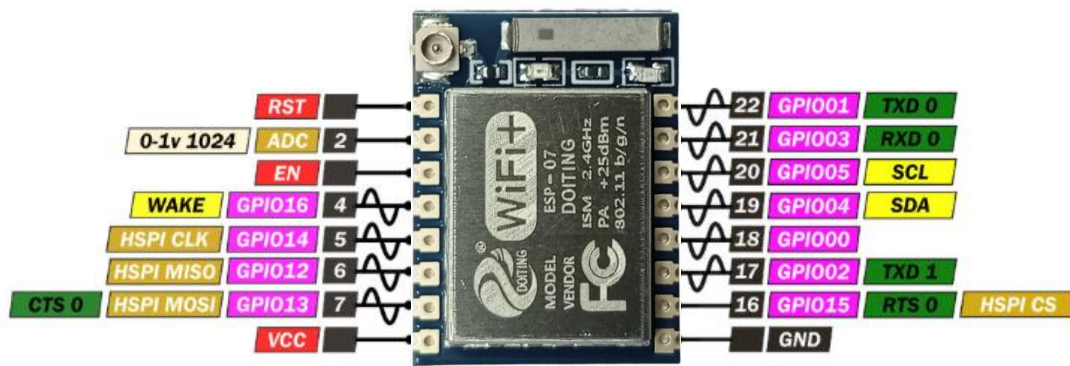
Wi-Fi

1. 802.11 b/g/n Integrated TCP/IP protocol stack
2. Integrated TR switch, balun, LNA, power amplifier and matching network
3. Integrated PLL, regulators, and power management units
4. Supports antenna diversity
5. Wi-Fi 2.4 GHz, support WPA/WPA2
6. Support STA/AP/STA+AP operation modes
7. +20dBm output power in 802.11b mode
8. Wake up and transmit packets in < 2ms
9. Support Smart Link Function for both Android and iOS devices

Advanced Peripheral Interfaces

1. Integrated 10-bit ADC
2. SDIO 2.0, (H) SPI, UART, I2C, I2S, IRDA, PWM, GPIO
3. STBC, 1×1 MIMO, 2×1 MIMO
4. A-MPDU & A-MSDU aggregation and 0.4s guard interval
 - Deep sleep power <10uA, Power down leakage current < 5uA
 - Standby power consumption of < 1.0mW (DTIM3)
 - Operating temperature range -40C ~ 125C

Pinouts:



Dimensions:

- Length - 21.2 mm
- Height - 3 mm
- Width - 16 mm

Applications:

1. Networking
2. In home automation
3. Industrial wireless control
4. Baby monitors
5. Wearable electronic products
6. Wireless location sensing devices
7. Wireless positioning system signals
8. Networking applications

Package includes :

1 x ESP-07 ESP8266 Serial WiFi Module.