

# ESP8266 Wifi Module ESP-12N CP2102 USB 4MB IoT Wifi Module For NodeMcu

## Product Description

- Module form: ESP8266+4Mb
- Chip Type: CP2102
- Net Weight: 20g
- Integrated low power 32-bit MCU
- Operating temperature range -40C ~ 125C



1.No-de-MCU serial WiFi module development board ESP8266 ESP-12N Lua WiFi networking.

2.This Node-MCU is based on ESP-12N, and fully compatible with the existing version, can be perfectly combined with our self-developed expansion boards. You can develop cheapest WiFi control car.

3. ESP8266 full IO mouth leads directly download without resetting! ESP8266 developed a great set of tools.

4.Chip Features:

- 802.11 b/g/n
- Integrated low power 32-bit MCU
- Integrated 10-bit ADC
- Integrated TCP/IP protocol stack
- Integrated TR switch, balun, LNA, power amplifier and matching network
- Integrated PLL, regulators, and power management units
- Supports antenna diversity
- WiFi 2.4 GHz, support WPA/WPA2
- Support STA/AP/STA+AP operation modes
- Support Smart Link Function for both Android and iOS devices
- SDIO 2.0, (H) SPI, UART, I2C, I2S, IR Remote Control, PWM, GPIO
- STBC, 1×1 MIMO, 2×1 MIMO
- A-MPDU & A-MSDU aggregation & 0.4s guard interval

- Deep sleep power <10uA, Power down leakage current < 5uA
- Wake up and transmit packets in < 2ms
- Standby power consumption of < 1.0mW (DTIM3)
- +20 dBm output power in 802.11b mode
- Operating temperature range -40C ~ 125C

Package Include:

1X CP2102 V1.0 IoT WIFI Module