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ESP-07S

ESP WIFI MODULE

1823 In Stock Now | Usually dispatched within 24 hours

£4.16

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Product Details —

ESP-07S WiFi module is a complete Wifi Solution. It integrates ESP8266 with an industry-leading ultra low power 32-bit MCU micro, with the 16-bit short mode, clock speed support 80 MHz, 160 MHz, supports the RTOS, integrated Wi-Fi MAC/BB/RF/PA/LNA. The module supports standard IEEE802.11 b/g/n agreement, complete TCP/IP protocol stack.

ESP8266 is high integration wireless SOCs, designed for space and power constrained mobile platform designers. It provides unsurpassed ability to embed Wi-Fi capabilities within end product systems, or to function as a standalone application, with the lowest cost, and minimal space requirement.

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

• Wi-Fi 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, IRDA, PWM, GPIO

• STBC, 1x1 MIMO, 2x1 MIMO

• A-MPDU & A-MSDU aggregation and 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)

• +20dBm output power in 802.11b mode

• Operating temperature range -40C ~ 85C

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