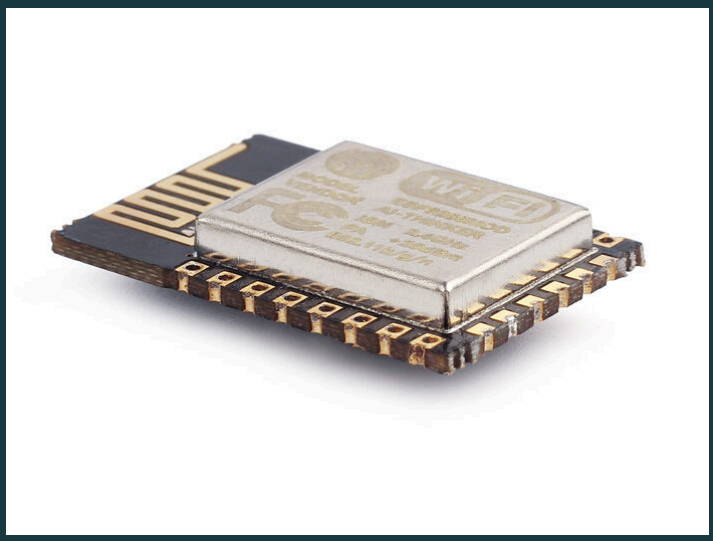
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INDUSTRIAL PRODUCT DATASHEET

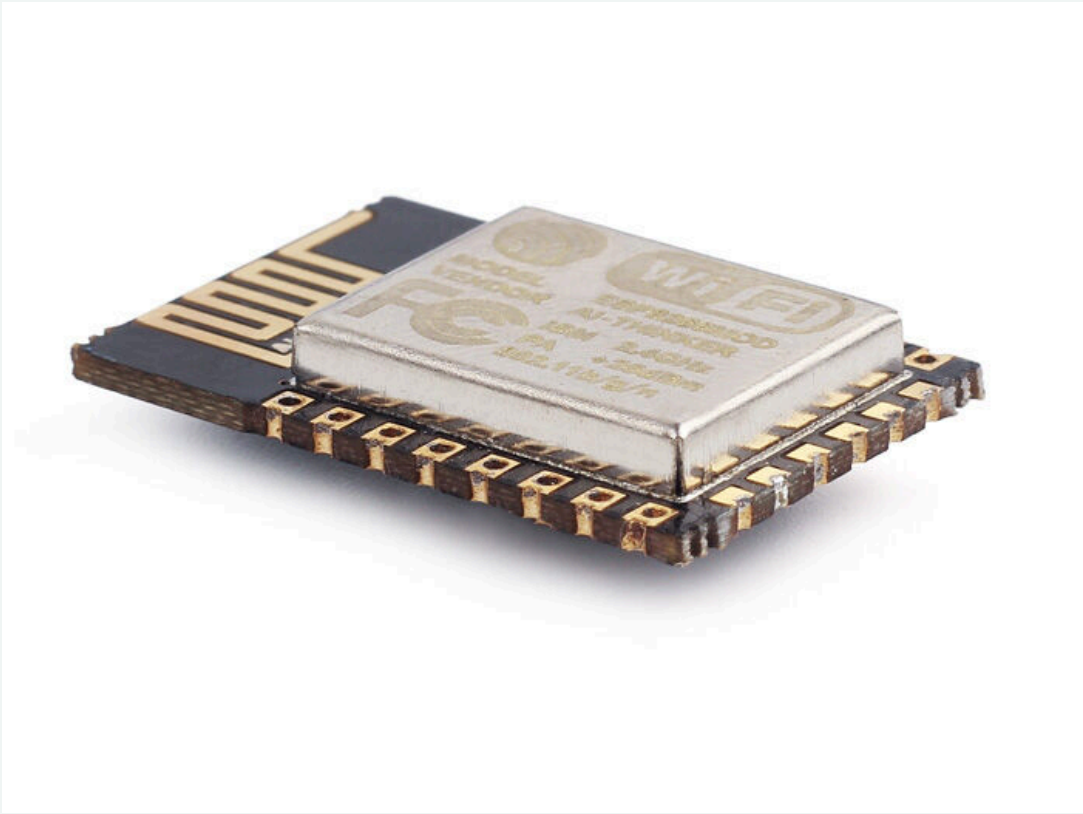
ESP8266 based WiFi module - SPI supported

Ultra-low power ESP8266 WiFi module with SPI support for IoT, featuring 802.11 b/g/n, built-in TCP/IP, and multiple antenna options.

SKU	UPDATED	PRICE
317060015	2024-08-09 01:56:40	$7.50(Excl. VAT)



Overview



The ESP8266 is an ultra-low power UART-WiFi module with enhanced peripheral circuitry for improved signal stability and anti-interference, designed for mobile devices and IoT applications including smart grid, intelligent transportation, smart home, and industrial control. It supports 802.11 b/g/n, STA/AP/STA+AP modes, built-in TCP/IP stack, Smart Link, OTA updates, and features a 32-bit MCU, SPI/I/O serial interfaces, with options for onboard PCB antenna, IPEX connector, or half-hole.

Key Features

News ESP8266 improve the peripheral circuit, enhance the impedance matching, signal output is better, both stability and anti-interference ability, have been greatly improved.
ESP8266 is a ultra-low power UART-WiFi module. It has excellent dimensions and ULP technology compared to other similar modules. The module is special design for monile devices and Internet of Things (IoT). When devices connect to WiFi with ESP8266 module, it can process LAN communication.

ESP8266 shows in three options: onboard PCB antenna, IPEX connectors, half hole.

Esp8266 can be applied to Smart Grid, Intelligent Transportation System, Smart Home, handset and industrial control system etc.

Features:

- Added six I/O serial and six SPI serial
- support wireless 802.11 b/g/n standard
- support the STA/AP/STA + AP three work modes
- built-in TCP/IP protocol stack, and support multiple TCP Client connection
- support rich Socket the AT command
- support UART/GPIO data communication interface
- support Smart Link intelligent networking
- support remote firmware update (OTA)
- built-in 32-bit MCU and can be applied as processor
- low power consumption, suitable for battery-powered applications
- single 3.3 V power supply

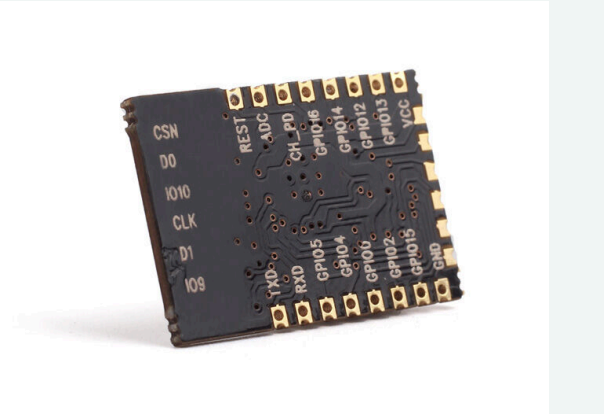
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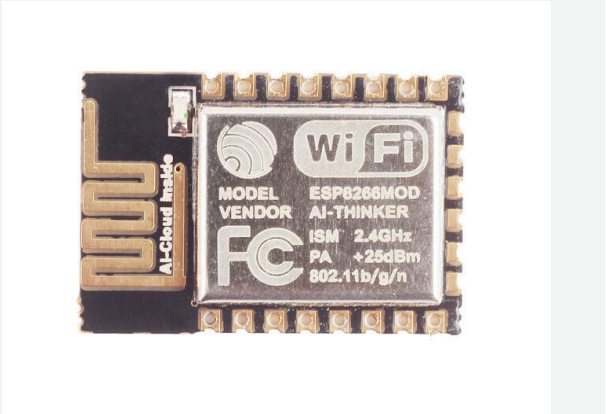
Resource
ESP - 12E Brief Spec
Catalog of ESP8266 Documents

Documents

Please visit our wiki page for more info about this product. It will be appreciated if you can help us improve the documents, add more demo code or tutorials. For technical support, please post your questions to our **forum**

Product Gallery





Resource Links

- https://www.seeedstudio.com/ESP8266-based-WiFi-module-SPI-supported-p-2486.html

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