ESP-12F ESP8266 Wifi Wireless IoT Board Module

Slug: esp-12f-esp8266-wifi-wireless-iot-board-module

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DETAIL

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PINOUT

TECHNICAL SPECIFICATIONS & SUMMARY

[ESP Modules] The ESP-12F ESP8266 WiFi Module is a powerful and low-cost WiFi transceiver module designed for Internet of Things (IoT) applications. Built around the ESP8266 SoC, this module integrates a full TCP/IP protocol stack, enabling microcontrollers to connect directly to WiFi networks. With its integrated 32-bit RISC processor, on-chip memory, and multiple communication interfaces, the ESP-12F module can either host an application independently or act as a WiFi adapter for another microcontroller such as Arduino, Raspberry Pi, or STM32. Each module is typically shipped with AT command firmware, allowing easy communication through UART serial interface. This means developers can quickly add WiFi functionality to existing hardware without complex programming. The ESP-12F version improves performance compared to earlier modules by offering: Stronger WiFi signal output Improved anti-interference capability Optimized PCB antenna design Better impedance matching The module supports station mode, soft-AP mode, and combined AP + station

UNIT PRICE (EX. GST)
Rs. 129

WITH 18% GST
Rs. 152

In stock: 0 units - HSN: 85423100

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