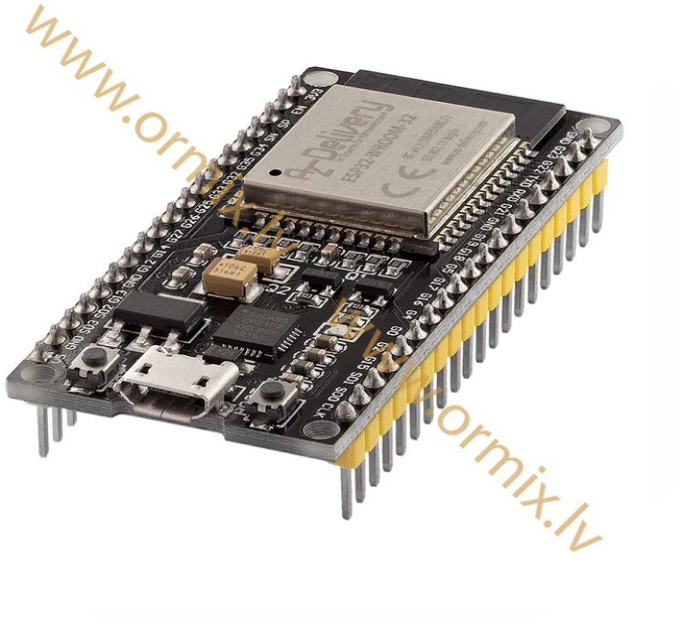

Special features

- As with the predecessor model ESP8266, the WLAN functionality is implemented directly in the SoC, but with additional Bluetooth function (incl. BLE).
- The ESP32 processor used combines a CPU with 2 Tensilica LX6 cores, clocked at up to 240 MHz, and 512 kiloBytes of SRAM in a single microcontroller chip.
- It also integrates a radio unit for WLAN (according to 802.11bgn) and Bluetooth (Classic and LE).

Technical specifications

Power supply voltage (USB)	5V
Input/output voltage	3.3V
Required operating current	Min. 500mA
Soc	ESP32-Wroom 32
Clock frequency range	80 MHz / 240MHz
R.A.M.	512kb
External flash memory	4MB
I/o pins	34
Interfaces	SPI, I2C, I2S, Can, Uart
Wi-fi protocols	802.11 b/g/n (802.11n up to 150 Mbps)
Wi-Fi frequency	2.4 GHz - 2.5 GHz
Bluetooth	V4.2 - BLE and Classic Bluetooth
Wireless antenna	PCB
Dimensions	56x28x13mm