ESPRESSIF SERIES ESP32-S3

32-bit MCU & 2.4 GHz Wi-Fi & Bluetooth 5 (LE)

- Xtensa® 32-bit LX7 dual-core processor that operates at up to 240 MHz
- 512 KB of SRAM and 384 KB of ROM on the chip, and SPI, Dual SPI, Quad SPI, Octal SPI, QPI, and OPI interfaces that allow connection to flash and external RAM
- Additional support for vector instructions in the MCU, which provides acceleration for neural network computing and signal processing workloads
- Peripherals include 45 programmable GPIOs, SPI, I2S, I2C, PWM, RMT, ADC, DAC and UART, SD/MMC host and TWAITM
- Reliable security features ensured by RSA-based secure boot, AES-XTS-based flash encryption, the innovative digital signature and the HMAC peripheral, “World Controller”
- Fully certified with integrated antenna and software stacks

For full product
info and datasheet
Click here

Espressif

Espressif Systems (688018.SH) is a public multinational, fabless semiconductor company established in 2008,

specialized in the development of cutting-edge Wi-Fi-and-Bluetooth, low-power, IoT solutions.