JC-ESP32P4-M3-DEV module

List

Product description

It is an JC-ESP32P4-M3-DEV module with integrated ESP32P4 and ESP32-C6, supporting Wi-Fi 6 and Bluetooth 5 wireless connectivity. It provides rich HCI interfaces including MIPI-CSI (Integrated Image Signal Processor ISP), MIPI-DSI, SPI, I2S, I2C, LED PWM, MCPWM, RMT, ADC, UART, TWAI and so on. In addition, USB OTG 2.0 HS is supported.The ESP32-P4 adopts a 400MHz dual-core RISC-V processor, supports up to 32MB PSRAM, and is equipped with peripherals such as USB 2.0, MIPI-CSI/DSI, H.264 encoding, etc., which meets the needs of low-cost, high-performance and low-power multimedia development. In addition, ESP32-P4 integrates digital signature peripheral and dedicated key management unit to ensure data and operation security..

Features

●High-performance MCUs with RISC-V 32-bit dual-core and single-core processors

●Main frequency up to 360M

●Maximum support 800*1280

●There are MIPI-CSI, MIPI-DSI, USB 2.0 OTG, SDIO 3.0 SD interfaces

available

●32MB PSRAM stacked in chip package, 16MB Nor Flash integrated in module

●128KB HP ROM, 16KB LP ROM, 768KB HP L2MEM, 32KB LP SRAM, 8KB TCM

●Provide arduino library functions and sample programs to facilitate rapid secondary development

Product parameters

Name	Describe	Remark
SKU	JC-ESP32P4-M3-DEV	
Resolution	Maximum support 800*1280	
Series	M series	
Master Frequency	360M	
Operating Voltage	5V	
Wireless network	ESP32-C6　WiFi 6	
Storage Space	16M	
Operating Temperature	-20℃~+70℃	
Interfaces	CSI/DSI/USB2.0	
Size	92*62mm	

Interface Description

Product Size