

Product Specifications

Module Model	ESP32-S
Package	SMD-38
Size	18.0*25.8*2.8 (±0.2) mm
SPI Flash	Default 32Mbit
Bluetooth	Bluetooth 4.2 BR/EDR and BLE standards
Wi-Fi	802.11 b/g/n/
Interface	UART、SPI、SDIO、I2C、PWM、I2S、IR、ADC、DAC
On-chip Sensor	Hall sensor, Temperature sensor, Capacitive touch sensor
IO Port	22
UART Baudrate	Support 300~4608000bps,Default 115200bps
Frequency Range	2412 ~2484MHz
Antenna	PCB Antenna , Gain 2dBi
Transmit Power	802.11b: 17±2 dBm (@11Mbps) 802.11g: 14±2 dBm (@54Mbps) 802.11n: 13±2 dBm (@MCS7)
Receiving Sensitivity	CCK, 1 Mbps : -90dBm CCK, 11 Mbps: -85dBm 6 Mbps (1/2 BPSK): -88dBm 54 Mbps (3/4 64-QAM): -70dBm MCS7 (65 Mbps, 72.2 Mbps): -67dBm
Power Dissipation	<u>300mA@3.3V</u>
Security	WPA/WPA2/WPA2-Enterprise/WPS
Power Supply Range	3.0V ~ 3.6V
Operating Temperature	-20 °C ~ 85 °C
Storage Environment	-40 °C ~ 90 °C , < 90%RH
Weight	1.5g

Contact US

Shenzhen Ai-Thinker Technology Co., Ltd

Address: 7/F, Fengze Building B, Huafeng Industrial Park 2th, Hangkong street, Xixiang Raod, Baoan, Shenzhen
China

Website: www.ai-thinker.com

Tel: 0755-29162996

E-mail: support@aithinker.com