

NUM	Sort	Parameter Name	Parameter Values	Unit	Remarks
1	Power Supply	Working Voltage	5	V	MAX:6V MIN:3.3V
2		Working Current (LED full light)	240	mA	
3		Working Current (LED all out)	120	mA	
4	Working Environment	Temperature range	-40~+85	°C	
5		Humidity range	5~95	% RH	
6	Structure	Dimensions (L × W × H)	76.7×65.5×23	mm	
7		Weight	77.5	g	
8		IP RATE	IP20		
9		Material	ABS		
	System Module ESP32-S3-WROOM-1	ROM	384	KB	
		SRAM	512	KB	
		Basic Frequency	240	MHz	
	WIFI	Mode	802.11b/g/n		
		Highest rate	150	Mbps	802.11bn
		Channel center frequency range	2412~2484	MHz	
		MSTXPWR	20.5	dBm	802.11b
	BLE	STD Bluetooth	Bluetooth 5(BLE)/Bluetooth Mesh		
		Highest rate	+9dBm		
		Receiving Sensitivity	-94dBm		
		Bluetooth physical layer transmission rate	2Mbps		
	Port	U.S. (ultrasonic)	1		4 PIN
		UART (serial port)	1		4 PIN
		ML	1		2PIN
		MR	1		2PIN
		Power/Download	1		TYPE-C
		A0	1		3PIN
		A1	1		3PIN
		A2	1		3PIN
		A3	1		3PIN
		A4	1		3PIN
		A5	1		3PIN
		A6	1		3PIN