

3. Specifications

Wireless Standard	FCC/CE/IC/TELEC/KCC/SRRC/NCC
Wireless Protocol	802.11 b/g/n/d/e/l/k/r
Frequency Range	2.4 - 2.5 GHz
Bluetooth Protocol	Bluetooth v4.2 BR/EDR and BLE specification
Bluetooth Specifications	NZIF Receiver with -98dBm sensitivity Class-1, Class-2 and Class-3 transmitter AFH, CVSD and SBC
Memory	4 MB Flash, 520KB SRAM
Wireless Form	On-board PCB Antenna
IO Capability	UART, I2C, SPI, I2S, PWM, SDIO, GPIO, ADC, DAC
Electrical Characteristic	3.3 V Operated 15 mA output current per GPIO pin 80 mA average working current
Operating Temperature	-40 to +125 °C
Wireless Network Type	Station / SoftAP / SoftAP + Station / P2P
Security Type	WPA / WPA2 / WPA2-Enterprise / WPS
Encryption Type	AES / RSA / ECC / SHA
Firmware Upgrade	UART Download / OTA / Host
Network Protocol	IPv4, IPv6, SSL, TCP / UDP / FTP / HTTP / MQTT
User Configuration	AT + Order Set, Web Android / iOS, Cloud Server