

Overview of Characteristic

- Support IEEE802.11b/g/n Wireless Standards
- Based on High-Flying Cotex-M3 MCU (MC101) + MediaTek Wi-Fi MT5931SA
- Highly Cost Effective With High-Flying MCU: MC101
- Low-Power Applications with Excellent Power Save Scheme
- Support UART/PWM/GPIO Data Communication Interface
- Support Maximum 3 Channel PWM
- Support Work As STA/AP/AP+STA Mode
- Support Smart Link Function (APP provide)
- Support Wireless and Remote Firmware Upgrade Function
- Support WPS Function
- Support Multi-TCP Link (Upto 5) Connection
- Support External Antenna Option
- Single +3.3V Power Supply
- Smallest Size: 22mm x 13.5mm x6mm, 1x10mm 2mm DIP Package

Class	Item	Parameters
Wireless Parameters	Certification	FCC/CE
	Wireless standard	802.11 b/g/n
	Frequency range	2.412GHz-2.484GHz
	Transmit Power	802.11b: +16 dBm (@11Mbps)
		802.11g: +14 dBm (@54Mbps)
		802.11n: +13 dBm (@HT20, MCS7)
	ReceiverSensitivity	802.11b: -93 dBm (@11Mbps ,CCK)
802.11g: -85 dBm (@54Mbps, OFDM)		
802.11n: -82 dBm (@HT20, MCS7)		
Antenna Option	External:I-PEX Connector	
Hardware Parameters	Data Interface	UART
		PWM
		GPIO
	Operating Voltage	2.8~3.6V
	Operating Current	Peak [Continuous TX]: ~300mA Normal [WiFi ON/OFF, DTIM=100ms]: Average. ~12mA, Peak: 300mA
	Operating Temp.	-40°C- 85°C
	StorageTemp.	-45°C- 125°C
Dimensions and Size	22mm×13.5mm×6mm, 1x10 2mm DIP	
Software Parameters	Network Type	STA /AP/STA+AP
	Security Mechanisms	WEP/WPA-PSK/WPA2-PSK
	Encryption	WEP64/WEP128/TKIP/AES
	Update Firmware	Local Wireless, Remote
	Customization	Web Page Upgrade Support SDK for application develop
	Serial command	AT+instruction set
	Network Protocol	IPv4,TCP/UDP/FTP/HTTP
	User Configuration	AT+instruction set. Android/ iOS Smart Link APP tools