

Overview of Characteristic

- Support IEEE802.11b/g/n Wireless Standards
- Based on High-Flying Cost Effective Wi-Fi SOC: MC300 chipset
- Support UART/GPIO Data Communication Interface
- Support Work As STA/AP Mode
- Support Smart Link Function (APP provide)
- Support Wireless and Remote Firmware Upgrade Function
- Support WPS Function
- Support Internal/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-PEXAntenna Pad Internal: PCB Antenna	
Hardware Parameters	Data Interface	UART
		GPIO
	Operating Voltage	2.95~3.6V
	Operating Current	Peak [Continuous TX]: ~280mA Normal [WiFi ON/OFF, DTIM=100ms]: Average. ~20mA
	Operating Temp.	-20°C- 85°C
	StorageTemp.	-40°C- 125°C
Dimensions and Size	22mm×13.5mm×6mm, 1x10 2mm DIP	
Software Parameters	Network Type	STA /AP
	Security Mechanisms	WEP/WPA-PSK/WPA2-PSK
	Encryption	WEP64/WEP128/TKIP/AES
	Update Firmware	Local Wireless, Remote
	Customization	Support customization for application develop
	Serial command	AT+instruction set
	Network Protocol	IPv4,TCP/UDP/HTTP
	User Configuration	AT+instruction set. Android/ iOS Smart Link APP tools