

HF-LPC100

Overview of Characteristic:

- Support 802.11b/g wireless standard, STA mode
- **Support Audio Input(MIC) and Audio Output(Speaker) Interface, High Quality to Collect and Play Audio.**
- **Support Half-Duplex Audio Communication Without Delay.**
- **Support Audio ADPCM Compression Algorithm, Small Size For Application**
- Support Blue Tooth 2.1+EDR Standard
- Support Bluetooth SmartLink
- Cost Effective Solution With High-Flying MCU
- Support UART/GPIO Data Communication Interface
- Support Wireless/Remote Firmware Upgrade
- Provide SDK for application develop
- Support Internal/External Antenna Option
- Smallest Size: 23.1mm x 32.8mm x (3.45±0.3)mm
- Wide input voltage: 3.3 V ~ 4.2 V
- FCC/CE Certificated



Parameters:

Class	Item	Parameters
Wireless Parameters	Certification	FCC/CE
	Wireless standard	802.11 b/g,802.15.2
	Frequency range	2.412GHz-2.484GHz
	Transmit Power	802.11b: +16 +/-2dBm (@11Mbps)
		802.11g: +14 +/-2dBm (@54Mbps)
	ReceiverSensitivity	802.11b: -93 dBm (@11Mbps ,CCK)
		802.11g: -85dBm (@54Mbps, OFDM)
Antenna Option	External:I-PEX Connector	
	Internal:On-board PCB antenna	
Hardware Parameters	Data Interface	UART
		USB, PWM,GPIO
	Operating Voltage	3.3~4.2V
	Operating Current	Peak [Continuous TX]: ~220mA
		Normal: Average: ~30mA
		Peak: 220mA
	Operating Temp.	-25°C- 85°C
StorageTemp.	-45°C- 125°C	
Dimensions and Size	23.1mm x 32.8mm x 2.7mm	

Class	Item	Parameters
Software Parameters	Network Type	STA, BT2.1
	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

Find the module on our website:

WIFI-HF-LPC100-1 WIFI module, IEEE802.11b/g, Bluetooth 2.1+EDR, UART/USB1.1/GPIO, internal antenna.

WIFI-HF-LPC100-0 WIFI module, IEEE802.11b/g, Bluetooth 2.1+EDR, UART/USB1.1/GPIO, IPEX connector.