


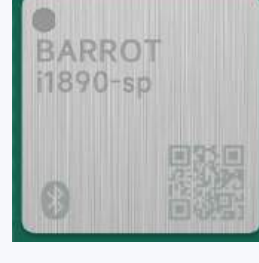

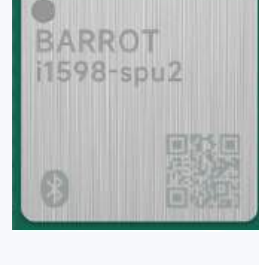
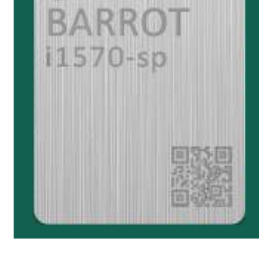
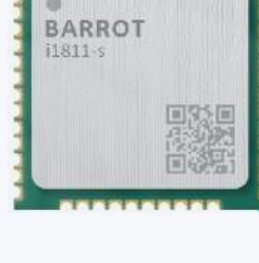
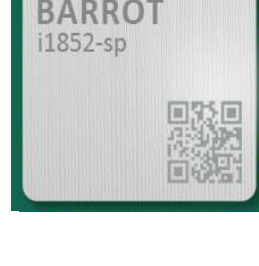
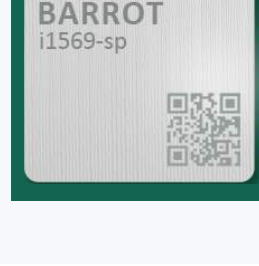




BARROT Automotive Bluetooth & Wi-Fi 6 Combo Solution

图片 Picture	模组型号 Module Series	硬件特性 Hardware													软件特性 Software										
		主芯片 Chip	尺寸 Dimension(l*w*h)	工作电压 Operating voltage(V)	规格 Others	操作温度 Operation Temperature	射频规格 RF Spec	双频 DualBand	Wlan Mac数量 Wlan Mac	天线接口 Antenna interface	wifi传输层 WiFi Host IP	蓝牙物理传输层 BT Host IP	蓝牙语音数据接口 Bluetooth voice	蓝牙音乐数据接口 Bluetooth A2DP stream	ROHS/ REACH Compliant	蓝牙版本 Bluetooth Spec	蓝牙角色 Bluetooth Role	设备多连接 MultiConnect	降噪/消回声 NoiseReduction/ EchoCancel	协议版本 IEEE802.11	驱动支持的操作系统 Support OperateSystem	角色共存 DualMac/MultiRole	角色支持 Support role	应用场景 Application	BT&WiFi共存 Co-existence
	i1496-sp	QCA6696	23mm*23mm*2.9mm	VBAT:1.05V/1.35V/1.8V/1.95V/3.85V VDDIO:1.8V	AECQ-100 Grade3	-40°C to +85°C	Dual Band 2.4 and 5GHz 2x2 MIMO+2x2 MIMO	2.4G/5G	2-mac	External: PCB/SMT/IPEX	Lowpower PCIe v3.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	Bluetooth5.2 Dual mode	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P/2*AP	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1590-sp	AW690	23mm*23mm*3mm	VBAT: 1.8V /3.3V VDDIO:1.8V/3.3V	AECQ-100 Grade3	-40°C to +85°C	Dual Band 2.4G and 5GHz 1x1 Wi-Fi 6 (802.11ax)+ 1x1 Wi-Fi 5 (802.11ac)	2.4G/5G	2-mac	External: PCB/SMT/IPEX	SDIOv3.0/v2.0 PCIe v1.0/v2.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	Bluetooth5.4 Dual mode	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1590-spu1	AW690	17.4mm*16.7mm*2.7mm	VBAT: 3.3V VDDIO:1.8V/3.3V	AECQ-100 Grade3	-40°C to +85°C	Dual Band 2.4G and 5GHz 1x1 Wi-Fi 6 (802.11ax)+ 1x1 Wi-Fi 5 (802.11ac)	2.4G/5G	2-mac	External: PCB/SMT/IPEX	PCIe v1.0/v2.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.4 Module BQB: Bluetooth5.3	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1890-sp	AW690	23mm*23mm*2.9mm	VBAT: 3.3V VDDIO:1.8V/3.3V	AECQ-100 Grade3	-40°C to +85°C	Dual Band 2.4G and 5GHz 1x1 Wi-Fi 6 (802.11ax)+ 1x1 Wi-Fi 5 (802.11ac)	2.4G/5G	2-mac	External: PCB/SMT/IPEX	PCIe v1.0/v2.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.4 Module BQB: Bluetooth5.3	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1598-sp	NXP88Q9098	23mm*23mm*3mm	VBAT: 1.8V /3.3V VDDIO:1.8V/3.3V	AECQ-100 Grade3	-40°C to +85°C	Dual Band 2.4G and 5GHz 2x2 Wi-Fi 6 (802.11ax)+ 1x1 Wi-Fi 5 (802.11ac)	2.4G/5G	2-mac	External: PCB/SMT/IPEX	SDIOv3.0/v2.0 PCIe v1.0/v2.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.4 Module BQB: Bluetooth5.3	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1598-spu2	NXP88Q9098-S	23mm*23mm*3mm	VBAT: 3.3V VDDIO:1.8V/3.3V	AECQ-100 Grade2	-40°C to +105°C	DualBand:2.4G and 5GHz 2x2Wi-Fi6+ 2x2Wi-Fi5	2.4G/5G	2-mac	External: PCB/SMT/IPEX	PCIe v1.0/v2.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.4 Module BQB: Bluetooth5.3	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1570-sp	CYW89570	23.4mm*19.4mm*2.4mm	VBAT:3.3V VDDIO:1.8V	AECQ-100 Grade3	-40°C to +85°C	Dual Band 2.4G and 5GHz 2x2 MIMO	2.4G/5G	1-mac	External: PCB/SMT	Lowpower PCIe v3.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.3 Module BQB:-	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1811-s	AW611	17.4mm*16.7mm*2.7mm	VBAT:3.3V VDDIO:1.8V/3.3V	AECQ-100 Grade3	-40°C to +85°C	Dual Band 2.4 or 5GHz 1x1 ac SISO	2.4G/5G	1-mac	External: PCB/SMT/IPEX	SDIO v2.0/v3.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.4 Module BQB:-	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1852-sp	RTL8852BE-VI	16mm*14mm*2.4mm	VBAT:3.3V VDDIO:1.8V/3.3V	/	-40°C to +85°C	Dual Band 2.4 or 5GHz 2x2 MIMO	2.4G/5G	1-mac	External: PCB/SMT/IPEX	PCIe V1.1	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.4 Module BQB:-	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1569-sp	QCA6698	23mm*23mm*2.9mm	VBAT: 1.05V / 1.35V/1.8V/1.9V VDDIO:1.8V	AECQ-100 Grade3	-40°C to +85°C	Tri-band 2.4 and 5/6GHz 2x2 MIMO+ 2x2 MIMO	2.4G/5G/6G	2-mac	External: PCB/SMT/IPEX	Lowpower PCIe v3.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.3 Module BQB:5.2	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1569-spu1	QCA6698	23mm*23mm*2.9mm	VBAT:1.05V/1.35V/1.8V/1.9V/3.3V VDDIO:1.8V	AECQ-100 Grade3	-40°C to +85°C	Tri-band 2.4 and 5/6GHz 2x2 MIMO+ 2x2 MIMO	2.4G/5G/6G	2-mac	External: PCB/SMT/IPEX	Lowpower PCIe v3.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.3 Module BQB:-	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)
	i1568-sp	QCA6688	23mm*23mm*2.9mm	VBAT: 1.05V / 1.35V/1.8V/1.9V VDDIO:1.8V	AECQ-100 Grade3	-40°C to +85°C	Dual Band 2.4 and 5GHz 2x2 MIMO+ 2x2 MIMO	2.4G/5G	2-mac	External: PCB/SMT/IPEX	Lowpower PCIe v3.0	Highspeed UART with hardware flow control	UART/PCM/IIS	High-speed UART	Yes	IC BQB: Bluetooth5.3 Module BQB:5.2	Central/Peripheral	Yes	1)Software algorithm(Integrated to the linux/android system) Barrot软件算法集成 2)External Hardware DSP 硬件DSP方式	IEEE802.11 a/b/g/n/ac/ax	Android/Linux/QNX	Yes	STA/AP/P2P	Hicar/CarLife/Carplay/Hospot/Station/Android auto/Carlink	Yes(模组Firmware控制)