

# BARROT Automotive Bluetooth HCI Solution



图片 Picture	模组型号 Module Series	硬件架构 Hardware architecture	硬件特性 Hardware									软件特性 Software						
			主芯片 Chip	尺寸 Dimension(*w*h)	操作温度 Operation Temperature	工作电压 Operating voltage(V)	蓝牙语音数据接口 Bluetooth voice	蓝牙音乐数据接口 Bluetooth A2DP stream	支持Mic数目 number of mic	ROHS/ REACH Compliant	天线接口 Antenna Interface	蓝牙版本 Bluetooth Spec	设备多连接 MultiConnect	支持的操作系统 Support OperateSystem	降噪/消回声 NoiseReduce/ EchoCancel	蓝牙音乐编解码格式 audiodata over ACL	支持语音格式 voice over (e)SCO	BQB 认证 BQB Certification
	i1551-s	HCI (蓝牙协议栈需与操作系统整合, 硬件部分只是蓝牙射频以及链路管理)	BR8051A01	15mm*12mm*1.8mm	-40°C to +85°C	VBAT: 3.0V to 3.6V VDDIO:3.3V	Uart/PCM/IIS	High-speed Uart	No	Yes	External: PCB/SMT/IPEX	IC BQB: Bluetooth5.0 Module BQB: Bluetooth5.0	Yes	Full Support	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	SBC	NBS(8K窄带语音)/ WBS (16K宽带语音)	Yes
	i1188-se	HCI (蓝牙协议栈需与操作系统整合, 硬件部分只是蓝牙射频以及链路管理)	CSR8811A12	15mm*12mm*2.1mm	-40°C to +85°C	VBAT: 2.3V to 3.6V VDDIO:3.3V	Uart/PCM	High-speed Uart	No	Yes	External: PCB/SMT/IPEX	IC BQB: Bluetooth5.2 Module BQB: Bluetooth4.2	Yes	Android(latest)/ Linux(5.9)/QNX/ RTOS	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	SBC	NBS(8K窄带语音)/ WBS (16K宽带语音)	Yes
	i1183-sm	HCI (蓝牙协议栈需与操作系统整合, 硬件部分只是蓝牙射频以及链路管理)	CSR8311A12	15mm*12mm*1.7mm	-40°C to +85°C	VBAT: 3.0V to 3.6V VDDIO:3.3V	Uart/PCM/ IIS/USB	High-speed Uart	No	Yes	External: PCB/SMT/IPEX	IC BQB: Bluetooth5.2 Module BQB:-		Full Support	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	SBC	NBS(8K窄带语音)/ WBS (16K宽带语音)	Planning
	i1571-s	HCI (蓝牙协议栈需与操作系统整合, 硬件部分只是蓝牙射频以及链路管理)	CYW20713	10mm*10mm*1.9mm	-40°C to +85°C	VBAT: 3.0V to 3.6V VDDIO:3.3V	Uart/PCM/IIS	High-speed Uart	No	Yes	External: PCB/SMT/IPEX	IC BQB: Bluetooth5.3 Module BQB: Bluetooth5.2	Yes	Full Support	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	SBC	NBS(8K窄带语音)/ WBS (16K宽带语音)	Yes
	i1572-s	HCI (蓝牙协议栈需与操作系统整合, 硬件部分只是蓝牙射频以及链路管理)	CYW89072	10mm*10mm*1.9mm	-40°C to +105°C	VBAT: 3.0V to 3.6V VDDIO:3.3V	Uart/PCM/IIS	High-speed Uart	No	Yes	External: PCB/SMT/IPEX	IC BQB: Bluetooth5.2 Module BQB: Bluetooth5.2	Yes	Full Support	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	SBC	NBS(8K窄带语音)/ WBS (16K宽带语音)	Yes
	i1552-s	HCI (蓝牙协议栈需与操作系统整合, 硬件部分只是蓝牙射频以及链路管理)	BR8051A12	10mm*10mm*2.6mm	-40°C to +85°C	VBAT: 3.0V to 3.6V VDDIO:3.3V	Uart/PCM/IIS	High-speed Uart	No	Yes	External: PCB/SMT/IPEX	IC BQB: Bluetooth5.4 Module BQB:-	Yes	Full Support	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	SBC	NBS(8K窄带语音)/ WBS (16K宽带语音)	Yes

\* Barrot 蓝牙协议栈支持的Profiles: BR/EDR:SPP,HFP,HSP,PBAP,MAP,A2DP,AVRCP,HID,DUN,PAN,FTP,OPP BLE:GATT,ANCS等