









## BISM – Bluetooth Intelligent Serial Module Range

	BT Data	BISM2	BISM2 PA	BISM2 SM	BT MM	BT MM+	
Application	Data / PCM Voice				Handsfree	Stereo Audio	
Bluetooth Spec	2.1+EDR	2.0	2.0	2.0	2.1+EDR	2.1+EDR	
Range	50m	250m	1km	250m	50m	300m	
Size	12.5 x 18.0 x 1.6	25 x 35 x 8	25 x 35 x 8		14..0 x 20.0 x 1.6	14 x 20 x 1.6 14 x 26 x 5.5 (int ant)	
Temp Range	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	
Connection	SMT	40 pin Hirose	40 pin Hirose	SMT	SMT	SMT	
Antenna	Integrated*	Integrated*	Integrated*	Integrated*	Integrated*	Integrated*	
UART Throughput	300kbps	300kbps	300kbps	300kbps	300kbps	300kbps	
Interfaces							
Data / Control	UART	UART	UART	UART	UART	UART	
GPIO	2	9	9	9	8	16	
ADC	0	2	2	2	0	2	
Audio	PCM (SCO,eSCO)	PCM (eSCO)	PCM (eSCO)	PCM (eSCO)	Stereo Codec	Stereo Codec	
DSP	No	No	No	No	No	Kalimba	
Profiles	GAP SDAP, SPP Health Device Profile (3Q09)	SPP, FTP, HFP, HSP	SPP, FTP, HFP, HSP	SPP, FTP, HFP, HSP	GAP, SDP, SPP, HSP, HFP, A2DP, AVRCP	HFP & AG, A2DP AVRCP, SPP, DUN, FTP Client, OBEX (client & server), HID, PBAP	
Communications Interface	AT Command Set	AT Command Set	AT Command Set	AT Command Set	AT Command Set	AT Command Set	
Interface Level						*external antenna option available	
3.6V		TRBLU23-0200	BTM402	BISMS02BI			
3.3V	BTM410 <sup>†</sup> /411 BTM412/413	BTM403	BTM404		BTM510 <sup>†</sup> BTM511	BTM520 <sup>†</sup> BTM521	
							

<sup>†</sup> BTM410, BTM510, BTM520 are **not** FCC approved

### Pre-approved Bluetooth modules with integrated stacks and profiles

- ⇒ All approved as Bluetooth END products
- ⇒ Robust, comprehensive AT command set for simple control
- ⇒ Best in Class Range and Power Consumption
- ⇒ Development Kits available for all modules
- ⇒ Fastest Route to Market

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