

1.3 Arachnid Specification

Specification	
RF Technology	Frequency Hopping Spread Spectrum
RF Frequency	2400 to 2483.5 MHz USA/EUROPE/JAPAN 2446.5 to 2483.5 MHz France
Modulation Schemes	0.5 BT, 2GFSK Index: 0.28 – 0.35.
Operating Frequency	2400 ~ 2483.5 MHz ISM band
Bluetooth Compliance	Bluetooth 1.1 Specification
Operating Range	Up to 10 meters
Channel Numbers	79 (f= 2402 + k MHz ,k =0, 1,2 ,...78) 23 (f= 2454 + k MHz ,k =0,1,2 ...,22)
Data Rate	1 Mbps (Typically)
Transmitter Output Power	Typical 0 dBm @ antenna Port
Receiver Sensitivity	Typical –80 dBm @ 0.1% BER
Antenna Type	Integrated chip antenna
Operating Voltage	5VDC +/- 10%
Interface	P2K CE Bus
Size	Estimation 2.5 cm x 1.3 cm x 1 cm (W x L x H)
Compatible Phones	Motorola V60, Motorola V60i, Motorola V60c, Motorola T720, Motorola T722 and Motorola V120 (The compatible phones will be updated without notice. Please contact with our tech support for the up-to-date compatible phone list.)