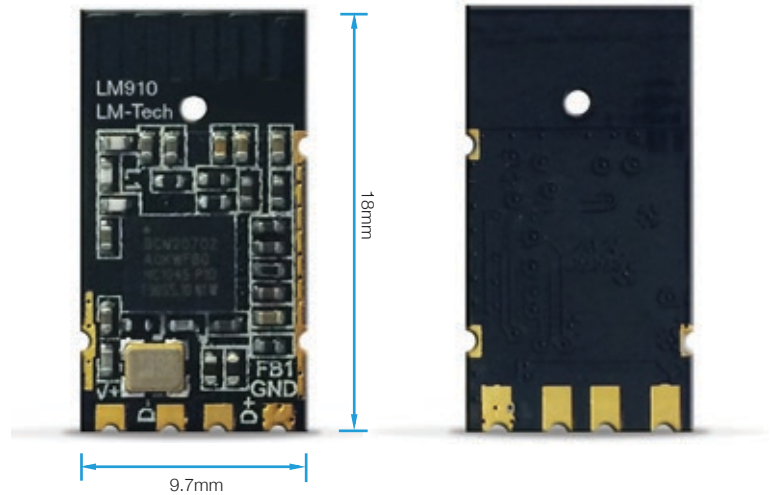




# LM910 Bluetooth 4.1 (Classic + LE) HCI Compact USB SMT Module

Dual-Mode with 110m Estimated Max. Distance with Integrated Antenna

Product LM910  
 Part No 910-0630  
 Revised 03/FEB/2015



## Features

- Bluetooth 4.1, Classic + EDR and LE.
- Powered from USB only.
- Broadcom 20702 IC  
Compatible with 17 profiles.
- Widcomm 7 Software downloadable for Windows 8/8.1  
Windows 7, Windows Vista or Windows XP operating system.
- Up to 3Mbps (2.1Mbps throughput)
- Compact size: 18mm x 9.7mm x 2mm
- 9.8 dBm Output
- Up to 110m distance in open space.
- FCC, RTTE, RoHS and BQB certified with SIG and other certifications ongoing.
- Smart Ready
- Dual-Mode with Integrated Antenna
- USB Interface only
- Low cost solution
- PLC packet loss concealment
- iBeacon compatible
- Low power consumption
- Excellent compatibility
- Integrated Antenna
- EOL (End of Life) expected to be 10 Years +

## Overview

The LM910 has a wide range of uses thanks to the array of profiles available with the Widcomm Bluetooth stack, along with excellent compatibility with other OS stacks such as Linux's BlueZ.

Its exceptional performance will allow users to connect up to 110 mtrs via Bluetooth 4.1, Classic, EDR and LE standards.

This is a very small form factor and high performance module which allows you to connect to up to 7 Bluetooth devices simultaneously. The module is backward compatible with Bluetooth 2.0 and Bluetooth 2.1 + EDR devices and also supports connection to Bluetooth 3.0 and Bluetooth Low Energy Devices (BLE).

The module integrates high performance Bluetooth Radio, Baseband, Link Manager, Host Controller Interface and is compatible with all Bluetooth stacks. The LM910 is ideally suited for Bluetooth connectivity to serial adapters, laptops, PC's, Bluetooth Low Energy Devices and Mono and stereo headsets.



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### 3. Packaging Options

#### Tape and Reel

Part No 910-0630

1000 Pieces per reel.  
 5 x 1000 Pieces per reel - Per Carton.

- User Guides, Manuals and Widcomm Configuration Software available to download via our website - <http://www.lm-technologies.com/support/downloads>

### General Specification

Chipset	Broadcom 20702
Class	Class 1
Speed / Bandwidth	Up to 3Mbps (2.1Mbps throughput)
Range	0 - 110m Estimated distance in open space
Interface	USB 2.0
Standard Bluetooth	Smart Ready, Bluetooth v 4.1, backward compatible to 3.0, 2.1, 2.0 + EDR devices.
Frequency	2.400 to 2.483.5 GHz
Hopping	1,600/sec, 1Mhz channel space
Firmware	HCI Mode
Rx Sensitivity	-86 dBm typical (TBC)
RF Output	Class 1 (9.8 dBm)
Power Supply	5V DC
Weight	2.2g approx
Temperature Range	-20 °C to +75 °C (Ambient) -40 °C to +85 °C (Storage)
Dimensions	18mm (L) x 9.7mm (W) x 2mm (H)
Profiles Supported	AVRCP, GAP, PAN, LAN, DUN, HID, FAX, SYNC FTP, HRCPP, BIP, GEOP, SDAP, OPP, SPP, HSP/HFP, A2DP, GATT
iBeacon	Compatible
Compatibility	Excellent compatibility with OS stacks such as Linux Kernel 3.0.34 BlueZ, W8/8.1, W7, Vista or XP operating systems.

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