

Bluetooth Class 1 USB Dongle

APPLICATIONS

- Healthcare Monitoring Systems
- Industrial Sensors and Controls
- Transportation and Logistics
- Automotive Diagnostic and Preventative Maintenance
- Barcode Scanners
- Cable Replacement

FEATURES

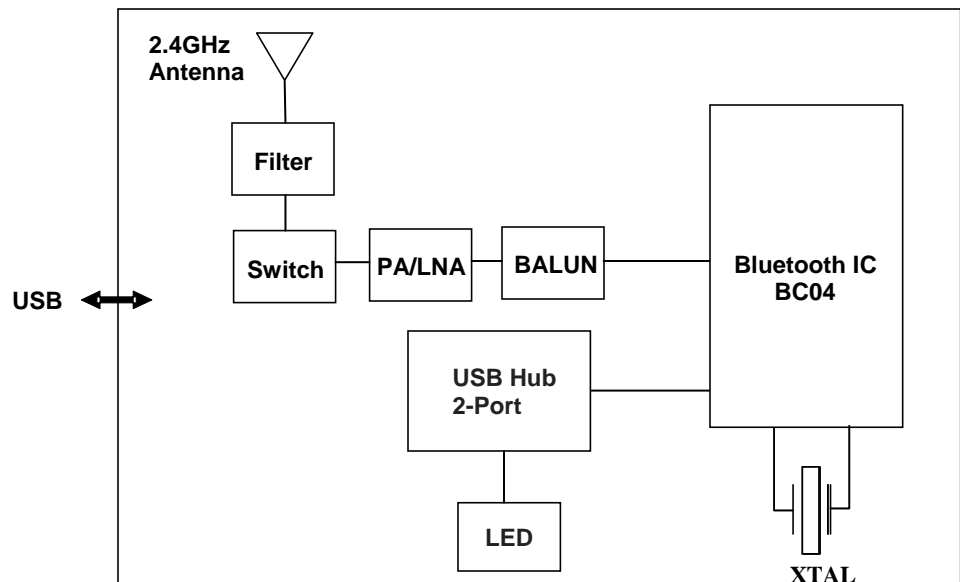
- Compact Module with on-board printed antenna
- Supports Bluetooth V2.1 w/ EDR
- CSR BC04 ROM Bluetooth IC
- Class 1 (100 meter) operation
- USB interface V2.0
- Supports Bluetooth HCI interface
- RoHS Compliant

Delta Mobile Systems class 1 Bluetooth USB dongle provides a fully integrated solution for those companies looking for a "time-to-market" advantage using a small footprint, cost effective Bluetooth solution for their products. The USB Dongle features an on-board integrated antenna, providing a discrete solution for long-range Bluetooth connectivity.

By offering wireless connectivity up to 100 meters, this class 1 Bluetooth USB dongle is a perfect solution for extended range communication requirements in the healthcare, industrial, and enterprise markets. In addition, this device also includes an LED to provide visual feedback of a successful data transmission.



Representative product as actual device may vary in appearance



Functional Block Diagram

CONTACT DETAILS

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Technical Specifications

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For more information on any of
our products or services please
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Minimum / Maximum Ratings

Rating	Value	Units
Supply Voltage (USB)	5.0	Volts
Operating Temperature	0° to +70°	Celsius
Storage Temperature	-20° to +85°	Celsius

Characteristics

Characteristic	Specification
Bluetooth Standard	Bluetooth V2.1 + EDR, HCI Interface
Bluetooth Chipset	CSR BC04 ROM
Antenna	Printed antenna
Communication Interface	USB V2.0
Frequency	2.400 – 2.485 GHz
TX Power	+14 dBm typical (100 meters line of sight) Class 1 Bluetooth
RX Sensitivity	0.1% BER <= - 83 dBm
Max Data Rate	3 Mbps (raw data rate)
Module Size	20mm x 15mm x 7mm
Product Packaging	Packed in Tray

Note: This specification is subject to change without notice.