Billionton Systems Inc.

PROJECT: GUBTCR42I

Introduction

This is a Bluetooth USB Dongle with class 2 output power. It uses CSR BC04 single chip Bluetooth IC and is Bluetooth v2.1+EDR specification supported, and works on 2.4GHz ISM Band.

It works with notebook and desktop PCs. Simply plug it into notebook or desktop PCs' USB connectors; you can then use the many profiles provided and communicate with other Bluetooth devices without the tangle of cables. It will empower your information application with more mobility.

1.Functional Description

- Bluetooth v2.1+EDR compliant

- Full speed USB v1.1 Interface

- Wireless communication within a radius of 10 Meters

- Connect up to 7 different enabled Bluetooth devices

- Encryption and authentication ensure safe, secure communications

- Low power consumption

2.Specification

3.1 Interface:

- USB Version 1.1 compliance

3.2 Functions:

- Main chip: CSR BlueCore 04

- Bluetooth 2.4GHz~2.4835GHz license-free ISM Band frequency hopping

- Connections within ranges up to 32.8 feet (10 Meters in open site) (Distance varies depending on actual environment)

- Connects up to 7 BT devices in a Piconet

- Data rate: 2~3Mbps (theoretical)

- Class 2 Bluetooth radio

- Security: encrypted link, authentication

- Bluetooth profiles support includes:

Generic access profile (GAP),	Serial port profile (SPP),
Service discovery app profile (SDAP),	Generic object exchange profile (GOEP),
Object push profile (OPP),	File transfer profile (FTP),
Dial-up network profile (DUN),	LAN access profile (LAP),
Fax profile (FAX),	Headset Profile
Human Interface Device(HID)	Personal Area Network(PAN)

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3.3. Mechanical

19 * 15 * 5.39 mm

(L x W x H)

3.4. Certification

CE/FCC/BQB

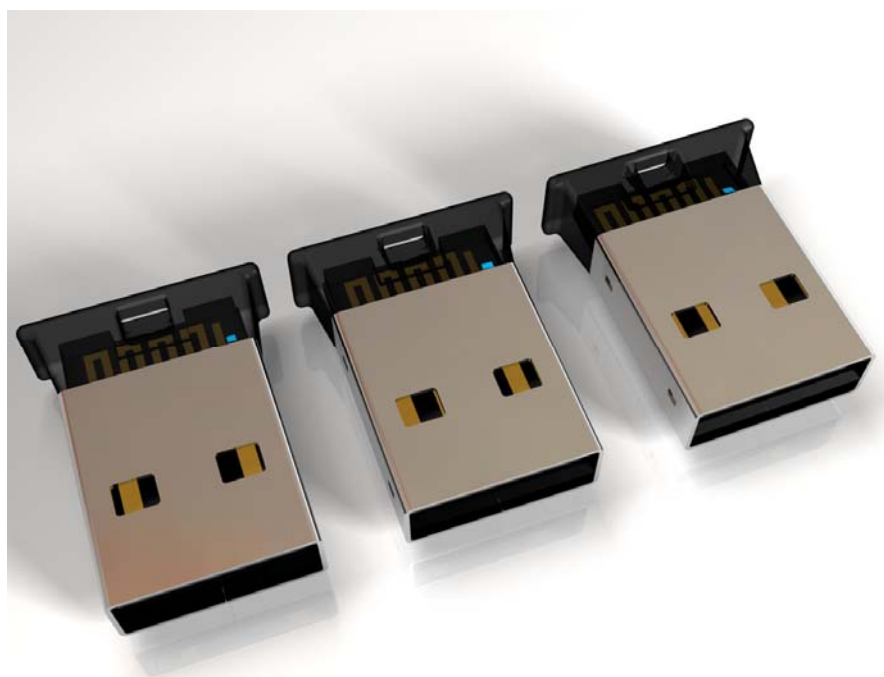## 3.5. Environmental Operating Ranges

N/A

3.6. Power Consumption

- Idle: 9.4mA/5V
- Typical: 48.7mA/5V
- Max Transmit : 54.3mA/5V (peak),
- Max Receive : 42.5mA/5V (peak)
  (Varies depending on use environment)

3.7.LED Indication

TX/RX indicator

3.8.Drivers support

Windows 2000 /XP /Vista, MAC OS 10.2 or above

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