

互億科技
Billionton Systems Inc.
Technical spec.

PROJECT: GUBTCR41J

DATE: 2008/8/14

Version: V1.0

PAGE: 1/2

Introduction

This is a Bluetooth USB Dongle with class 1 output power. It uses CSR BC04-ROM 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 v2.0 Interface
- Wireless communication can reach a radius of 100 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 2.0 compliance

3.2 Functions:

- Main chip: CSR BlueCore 04 ROM
- Bluetooth 2.4GHz~2.4835GHz license-free ISM Band frequency hopping
- Connections within ranges up to 328 feet (100 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 1 Bluetooth radio
- RF module sensitivity : < -79dBm
- 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)

產企主管 核定		研發主管 核定		填寫人	MARS.WANG
------------	--	------------	--	-----	-----------

表單編號: BRP-001-11 版本: E. 0

互億科技
Billionton Systems Inc.
產品規格書

PROJECT: GUBTCR41J

DATE: 2008/8/14

Version: V1.0

PAGE: 2/2

3.3. Mechanical

Dimension: 24.8 x 13.5 x 4.5 mm
(L x W x H)

3.4. Certification

3.5. Environmental Operating Ranges

- Operating Temperature : 0 ~70° C , Humidity 10 ~ 90%
- Storage Temperature : -20~90° C, Humidity 10 ~ 90%

3.6. Power Consumption

- Typical: 81.6mA/5V
- Maximum: Transmit : 112.5mA/5V (peak),
Receive : 50.3mA/5V (peak)
(Varies depending on use environment)
- Idle: 14.8mA/5V

3.7.LED Indication

RX indicator

3.8.Drivers support

Microsoft Windows 98SE, Windows ME/2000 /XP, MAC OS 10.2 or above

產企主管 核定		研發主管 核定		填寫人	MARS.WANG
------------	--	------------	--	-----	-----------

表單編號: BRP-001-11 版本: E. 0