Chapter1

Package

- One Bluetooth adapter
- One driver and software disk
- This user manual

Features

- Bluetooth v1.1 compliant
- USB Bluetooth adapter support full speed USB v1.1 Interface.
- CF Bluetooth adapter complies with CompactFlash type I Interface.
- PCMCIA Bluetooth adapter complies with PC Card Standard, including PCMCIA release 2.1 and JEIDA 4.x standards.
- Wireless communication within a radius of 32 Feet (10 Meters) for Class 2 Bluetooth devices.
- Wireless communication within a radius of 328 Feet (100 Meters) for Class 1 Bluetooth devices.
- Connect up to 7 different Bluetooth enabled devices
- Encryption and authentication to ensure safe, secure communications
- Low power consumption

Specifications

Main chip: CSR BlueCore 02

Protocol: Bluetooth 2.4 GHz ISM band frequency hopping

Data Rate: 721 Kbps

Connect up to 7 devices in a **Piconet**

Antenna: Integrated inside the adapter

0dBm(Class 2) Bluetooth radio:

Connection within a range of up to 32 feet (10 meters)

Class1 Bluetooth radio:

Connection within a range of up to 328 feet (100 meters)

Sensitivity: -80dbm at 0.1% Bit Error Rate (BER)

Security: encrypted link, authentication

Bluetooth profile support includes:

Generic Access Profile **(GAP)**

Serial Port Profile **(SPP)**

Service Discovery Application 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)**

Synchronization Profile

Headset Profile

Personal Area Network **(PAN)**

Human Interface Device **(HID)**

Hardcopy Cable Replacement Profile **(HCRP)**

Mechanics

USB Bluetooth Dimension:

58.6 x 19.8 x 8.1 mm (L x W x H) (for Class 2)

72.2 x 29.8 x 8.5 mm (L x W x H) (for Class 1 width including external antenna)