

## USB Bluetooth dongle

# Bluetooth 100m



The **Emtec B100** is a Bluetooth USB adapter with Class 1 output power for Windows based PCs. This device can communicate with other Bluetooth devices to form a "Pico-net". Thanks to Bluetooth technology, users can use this dongle to connect with many other Bluetooth enabled devices, such as Bluetooth mobile phone, headset, Access Point, Keyboard, mouse..., and enjoy the tangle free benefit that Bluetooth technology offers.

> **Features:**

- Bluetooth v2.0+EDR compliant
- Full speed USB v1.1 Interface
- Bluetooth wireless access up to a radius of 328 feet (100 Meters)
- Connect up to 7 different enabled Bluetooth devices
- Encryption and authentication ensure safe, secure communications
- External antenna

> **Functions:**

- Main chip : CSR BC04
- Bluetooth 2.4GHz~2.4835GHz license-free ISM Band frequency hopping
- Data Rate : 2~3Mbps
- Antenna: Multilayer ceramic Antenna
- Class 1 Bluetooth radio
- RF module sensitivity : -85dbm at 0.1% Bit Error Rate (BER)

> **Certification:**

- FCC, CE

> **Environmental Operating Ranges:**

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

> **Power Consumption:**

- Typical: 110mA/5V
- Maximum: Transmit : 200mA/5V (peak),  
Receive : 80mA/5V (peak)  
(Varies depending on use environment)
- Idle: 26mA/5V

> **Drivers support:**

- Microsoft Windows 2000 /XP/Vista



<b>B100</b>	Code EAN	Blister dimensions
EKCOB100	3126170040527	175 x 130 x 15 mm