
Features

- **A Wired / Wireless 2 in 1 Keyboard**

It can be a **Bluetooth wireless keyboard** or an ordinary **USB keyboard** according to different scenarios.

- In **Bluetooth wireless mode**, the **USB cable** can be **shrunk and hidden** under the keyboard.
- In **USB connection mode**, the **rechargeable battery** in the keyboard is **charged by USB power supply**. The **rechargeable battery** is used when the keyboard works in **Bluetooth mode**.

- **As a BT wireless keyboard**

- **Auto-switch** from **USB communication** to **Bluetooth communication**.
- **Work in up to 10 meters range**.
- **Low power consumption**, **intelligent power saving system**.
- **Low latency** and **high performance**.
- **Easy to link** (link key and host BD address are stored in local **E2PROM**).
- **Encryption with Safer algorithm** and **PIN code authorization**.

- **As a Wired Keyboard**

- **Compatible with normal USB keyboard**.
- **Auto-switch** from **Bluetooth communication** to **USB communication**.
- **Support booting processing** of host **PC**.
- **Low latency**.
- **Usable when batteries power is low**.
- **Usable where wireless environment is bad**.
- **The internal batteries** are **charged by the power of USB interface**.

- **Low Cost, best price/performance wireless solution**

Introduction

IVT Bluetooth keyboard is based on Bluetooth HID (Human Interface Device) profile, used by humans to remote control the operation of host computer wirelessly in 10 meters range. It transfers key-press message to and receives keyboard control information from the host computer through BT wireless channel. User can enjoy the convenience and flexibility of wireless. User can also use the keyboard with other PCs.

Except the BT wireless communication channel, the keyboard can also be used as an ordinary USB wired keyboard in some necessary situations. For example, when users want to operate keyboard in BIOS status to do some CMOS setup, the computer even has not loaded the OS, the Bluetooth stack cannot work, the USB mode can be used. Or when Bluetooth keyboard cannot work normally for some reasons like battery use up or bad electromagnetic noise environment, if no other selection like USB mode, even for only a short time, it will be unacceptable for the users.

The design is a low-latency, low power consumption, low cost, smart, interoperable input device for end user. User would obtain the most convenience from this wireless/wired solution.



Bluetooth Keyboard



Specifications

Wireless Interface	Complies with Bluetooth Core Specification V1.1 2.4 GHz~2.4835GHz license-free ISM Band
Bluetooth Profiles	Human Interface Device (HID) Profile
Radio Power	BT class 2, 1mW
Range (open environment)	10m
Radio Receiver Sensitivity	-80 dBm (0.1% BER)
Average Response Latency	<15ms (in wireless mode)
Transmit mode	Point to point
Security	Compliant with Bluetooth Security Specification
OS	CFL
CPU	Baseband Processor
Power Requirements	3V DC (2*AA Chargable Battery) / 5V USB
Operation Temperature	0°C to 50°C
Storage Temperature	-20°C to 75°C
Humidity (non-condensing)	10% to 90%
LED Status Indicators	Power, Connection



**Application
Scenario**

Find IVT Corporation worldwide sales offices online at:
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