2.4G Wireless keyboard specifications
AX-8100 2.4G

number	Modify the information	Modify the time
AX-8100 2.4G	V1.3	31
Project confirmation：		
Customer engineering confirmation：		

Keyboard sample specification

1：Product plan: Shanghai broadcom

3：IC model: broadcom BK2535

4：Product model: ax-8100 keyboard

5：Language: universal language

6：Keyboard cover screen print (provided by customer):
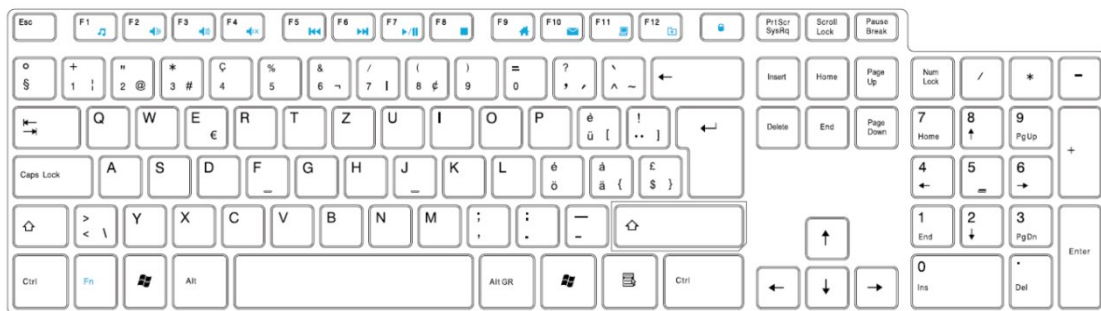
7:The basic characteristics of

7.1 Frequency point

Wireless keyboard products work in the 2.4GHz ISM band, a total of 16
frequency points.2408, 2437, 2468, 2421, 2440, 2477,
2407,2435,2467,2410,2442
2455241, 4242, 8244, 9244 1.
Test method. Press the ESC key to enter the test mode, for example, the code
indicator and the bottom electric indicator will flash.F1.F2.F3 frequency
switching.(2408.2440.2477) F9 modulation mode.Modulation method GFSK.

7.2 Receiver USB interface

USB 2.0 full speed mode.Compatible with USB 1.0 specification.

7.3 Channel bandwidth

2 MHZ bandwidth.

8.4 System compatibility

Support the following operating systemsWinXP Win7/Win8/

Win10/Linux/Mac OS。

8.5 Transmission distance

Support transmission distance of more than 10 meters.

8.6 Working voltage

The wireless keyboard product supports built-in (3.7v) power supply.

8.7 Working voltage and power consumption

The power consumption of the keyboard

stateSingle battery power supply

current

Working state	1.4--2.0mA
Deep sleep	2.0--3.0μA

After the wireless keyboard stops working for ten minutes, the keyboard will automatically enter into the deep sleep mode. At this time, the power consumption is very small, only about 2- 3 A, saving energy and electricity.In deep sleep mode, press any key to wake up immediately and the keyboard will work properly.

8.8 Multi-function button

Wireless keyboard supports multi-function keys, including audio control, network control, and application shortcuts (such as "calculator", "my computer", etc.).

8.9 Fn key

The wireless keyboard scheme supports Fn keys, and the function definition of Fn composite keys can be customized according to

customer requirements.

8.10 RF power

Under the condition of no radio frequency amplifier, the radio frequency emission power of the two-in-one product can reach up to +5dbm.

8.11 Indicator function

The wireless keyboard supports four indicator lights: symbol indicator (combined with Caps Lock);Undercurrent (LVD) indicator light;Digital Lock indicator light;Charge lamp indicator light.、 Keyboard PCBA supports four indicator lights: the code indicator and Caps Lock indicator are combined to show green.Low voltage alarm indicator (LVD), orange;Press the Num Lock key to indicate the blue light is on and the Charge lamp is shown in red.It goes out automatically after 4S.Save energy and electricity.

8.11.1 Low voltage alarm function

The wireless keyboard supports the low voltage alarm function, which has a low voltage alarm threshold of about 3.4v (within the error range of plus or minus 20mV).When the battery voltage drops below the threshold value, press any key, and the low-voltage alarm indicator will flash three times at the frequency of 2Hz, reminding the battery to be charged in time.

keyboard PCBA low voltage alarm threshold is about 3.3v - 2.4v.

8.12 The code way

For the code, the distance between the keyboard and DONGLE is less than 1 meter, and the code process is automatically conducted.

When the DONGLE was plugged in, the power was turned on, and the indicating blue light flickered; at this time, the indicating red light flickered rapidly for 4S and went out, indicating the code was successfully checked.The keyboard will work properly.The instructions for the success or failure of the code can be customized according to customer requirements.The status of the code is only kept for 10S. If the code is not successful beyond 10S, repeat the previous action until the code is successful.

Note: this specification is made in triplicate. Once confirmed, our company will produce in strict accordance with the confirmed samples.Also according to the customer's order to arrange the production.If you want to change the key value, language or screen print, please inform us in advance.Otherwise, the loss arising therefrom, including the cost of missed work, rework and other expenses will be borne by your company, our company will not be responsible.

FCC Caution：

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.