

BLE Dongle AN2819S

1.Overview

AN2819S is a BLE voice remote control receiver, developed based on Actions SOC AT2819S. AN2819S with bluetooth voice remote control developed by our company is suitable for TV box, projector, TV and other products, It can greatly reduce the adaptation workload for rapid mass production and shipment, and it is also suitable for the existing stock market where voice remote control is needed.

2.Appearance picture



3.Function Description

AN2819S is a Bluetooth voice remote control receiver. It is a transmission

medium between the remote control and the host. It has data transmission and conversion functions. It can transmit key input and voice input of the remote control to the host. The remote control and AN2819S need to be connected before use. After connecting, the remote control transfers data to AN2819S through BLE, and then AN2819S converts the data into standard USB audio data and HID report descriptor to the host through the USB interface.

4. Voice data description

AN2819S is a standard USB HID device, with standard USB audio transmission function, supports all systems with UAC function, and supports voice data bandwidth of 16KHz / 16Bit. The upper-layer APP on the host side can access the voice data transmitted by the AN2819S through the standard ALSA protocol.

5. Key data description

AN2819S is a standard USB HID device. It can transmit the key input of the remote control to the host through USB HID (Human Machine Interface Device) protocol specification. Currently, AN2819S USES Page ID 0X0C and Page Name Consumer.

6. Electrical performance

Item	parameter
Interface	Standard USB Type-A interface (USB1.1)
Operation voltage	5.0V
Sleep current	45uA
Working current	5-10mA
BT version	BT V4.2
Wireless Band	2.400GHz-2.4835GHz
Frequency offset	±20KHz (25°C)
Maximum transmission rate	250Kbps-2.0Mbps
Transmit power	Max: +4.0dBm, Rated: 0 dBm
Receive sensitivity	Max: -93dBm
Transmission distance	> 15m
Operating temperature	-10°C-70°C
Operating humidity	20%-90%
storage temperature	-25°C-85°C
Atmospheric pressure	86-106Kpa
Antenna type	PCB on-board antenna

7.Contact us

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