

AK10 工作原理

本專案將實現出Chipcon CC2511 Dongle 與AK10 產品的操作，Dongle 用來接在主電腦端，而AK10 是鍵盤+滑鼠+娛樂鍵，任意二者之間透過無線傳輸，來傳送USB HID Device 的資料。在Local Dongle 的部份會負責對作業系統列舉成USB 複合式裝置，就是鍵盤、滑鼠與搖桿三者合而為一的裝置，作業系統會輪詢它們的按鍵或操作狀態，此時Local Dongle 就會發送無線封包給 Remote Air_keyboard，Remote Air_keyboard 收到會詢問USB HID 的操作資料，並透過無線回傳給Local Dongle，此時Local Dongle 再把資料回覆給作業系統，因此使用者就可透過Local Dongle 與Remote Air_keyboard 達成無線HID 裝置應用了。

AK10 (Air_Keyboard)

In this Project, we will design two products. One is CC2511 Dongle and the other is AK10. Both of them are use wireless technique to transport data. In the Dongle side, it will be enumerated to USB composite Device, which contains the composed the function of keyboard, mouse and gamepad. The O.S polling the HID data status through Dongle to Remote Air_keyboard's HID Device. So, we need send Packet from dongle to Remote Air_keyboard, and Remote Air_keyboard response the HID data status to O.S through Dongle. Under this technology, User can use wireless USB HID application.