



**DATASHEET**  
**4-port USB KVM SWITCH**

**(Part Number: IC9104)**

Revision V0.1

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# 1. Introduction

## 1.1 Description

IC9104 is 4-port USB 2.0 KVM switch controller, the built-in regulator, USB 1.1 PHY, and USB 2.0 switch. On the system only need to connect a USB 2.0 HUB, the total solution BOM costs are less than legacy 4-port USB 2.0 KVM switch.

The user only needs single mouse, keyboard, and monitor to control four computers. IC9104 provides two methods to switch computers easily, one is pushbutton, and the other is keyboard hot key.

## 2. Features

### 2.1 General System Features

#### 4-Port USB KVM Switch Controller

- Built-in 3.3V to 1.8V regulator for core power
- Built-in USB1.1 PHY and USB2.0 switch
- Supports external serial SPI interface
- Supports external serial EEPROM interface
- Upgrade partial firmware and customized parameters through USB interface
- Programmable hot key
- Supports 4 general purpose I/O for pushbutton switch
- Support 4 general purpose I/O for LED indicator
- Support 1 general purpose I/O for buzzer
- Support keyboard hot key switch
- Package is QFN-80(9x9mm)

### 2.2. USB Controller

- Compliant with USB Specification 1.1 Full-Speed transfer mode

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- Support User-Configurable endpoints with 2 endpoints
    - End Point 0: Control endpoint
    - End Point A: Interrupt IN endpoint

## **2.3. Platform**

- Microsoft windows XP(32/64 bits), Microsoft windows 7 (32/64 bits) , Microsoft windows Vista(32/64 bits),Microsoft windows 8 ,Microsoft windows 10

### 3. Pin Assignment

#### 3.1 Pin Assignment

Figure 3.1 Pin Assignment Diagram

