

# LT8312 ---Product Brief

## USB2.0 Extender with DeMUX

### 1. Features

- USB2.0 signal extension up to 10m over USB cable for Port2
- USB2.0 signal bypass from Port1 to Port3
- Support USB2.0 high speed, full speed and low speed signal transferring
- I2c mode equalization control for different length cable
- Single 3.3V power supply

### 2. General Description

LT8312 is a low cost high performance USB2.0 extender with DeMUX that provides signal transferring extension

over USB cable and also supports signal bypass. Compliant with USB2.0 specification, the LT8312 supports USB2.0, USB1.1 and USB1.0 device connection. The maximum extension length can be up to 10m from the location of USB hub/host. There is only one USB2.0 transferring path working at the same time.

### 3. Applications

- PC Motherboard
- Servers and workstation
- KVM system
- Data storage system
- Car system

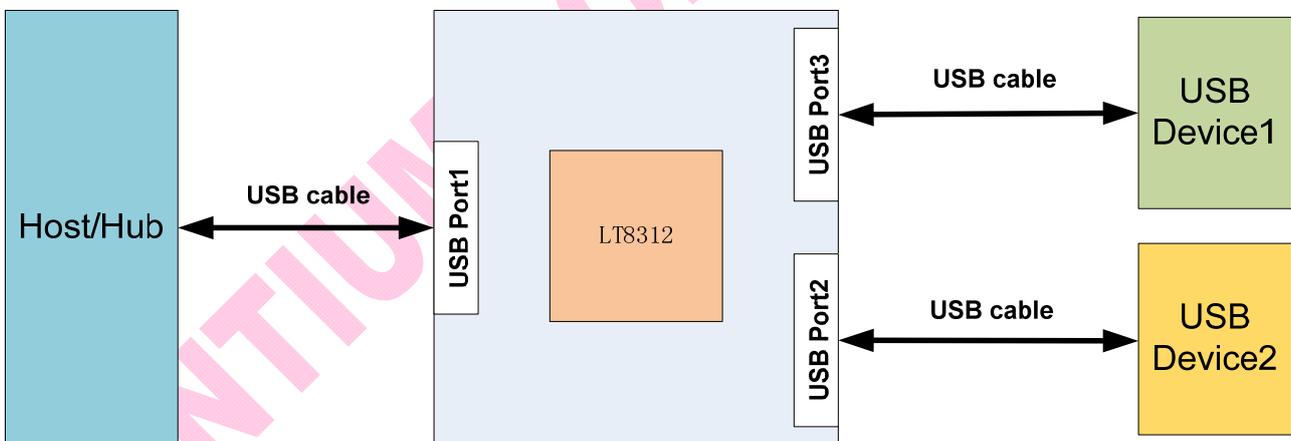


Figure 3.1 Application Diagram

### 4. Ordering Information

Table 4.1 Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method	MPQ
LT8312	-40°C to +85°C	QFN20 (4*4)	Tray	4900pcs

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