

LT8311XE-Q ---Product Brief

USB2.0 Extender

1. Features

- USB2.0 signal extension up to 10m over USB cable for one chip application
- USB2.0 signal extension up to 40m over Cat6 cable for two chip application
- Support USB2.0 high speed, full speed and low speed signal transferring
- I2c mode equalization control for different length cable
- 2 lines data transferring
- Single 3.3V power supply
- QFN16 4mmx 4mm RoHS package
- -40°C to 85°C operating temperature range
- ESD 2kV HBM

2. Description

LT8311XE-Q is a low cost high performance USB extender that provides signal transferring extension over USB cable or net cable. Compliant with USB2.0 specification, LT8311XE-Q supports USB2.0, USB1.1 and USB1.0 device connection. The maximum extension length can be up to 40m from the location of USB hub/host. It eliminates the 5m distance limitation of USB2.0 Specification. There are only 2 lines used for data transferring between two LT8311XE-Q chips.

3. Application

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

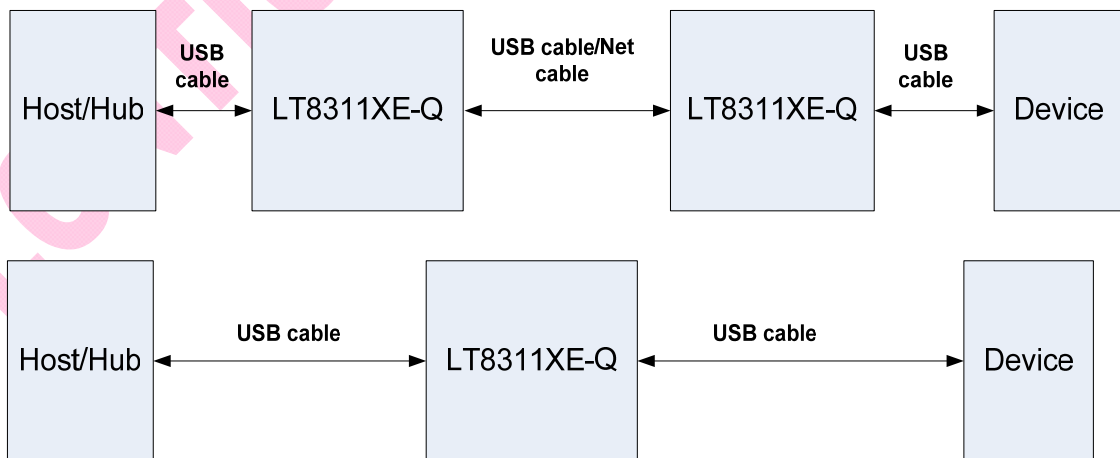


Figure 1. Application Diagram

4. Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method
LT8311XE-Q	-40°C to+85°C	QFN16 4*4	Tray

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