

# ExtremeUSB™ Core DL



LEX Core DL



REX Core DL

## Core DL - Product Highlights

*ExtremeUSB technology extends the range that USB devices can be used from up to 100-300m over UTP or from 2000m to 10kms using fiber-optic cable.*

The ExtremeUSB Core DL is ideal for OEM integration of ExtremeUSB technology where maximum flexibility of design is required. Core DL allows you to choose your own transmission scheme (PHY) such as UTP CAT5/6 and Single or Multimode Fiber Optics.

Ideal for KVM or Remote Desktop applications that require USB 1.1 device support over 1 or 2 Pair UTP, leaving the remaining wires in a CAT5 cable for other uses such as Video or Audio.

- Supports USB 1.1 (low-speed, full-speed) devices up to 12 Mb/s
- True USB plug-and-play, no drivers required.
- All major operating systems supported (Windows, Mac-OS, Sun, Linux)
- Flexible design allows for compatibility with wide range of transmission media types including UTP and fiber-optic cable.
- Supports up to four high-power USB devices.
- Supports local, remote or dual powering options.
- Fully compliant with USB 1.1 Specification, as certified by the USB Implementers Forum.
- Number of devices can be increased using standard USB hubs.
- Developer Kit available.



## Ordering Information

Name	Part Number	Description
LEX Core DL	10-00025G	Local Extender Module with digital link interface
REX Core DL	10-00026G	Remote Extender Module with digital link interface
Core DL Developer's Kit	00-00034G for NA 00-00035G for Europe 00-00036G for UK	OEM Developer's Kit. Includes LEX motherboard, LEX Core, REX motherboard, REX core, power adapter and application notes. Reference design for <b>2-pair UTP</b> transmission link.
Core DL Developer's Kit	00-00040G for NA 00-00041G for Europe 00-00042G for UK	OEM Developer's Kit. Same as above with reference design for <b>1-pair UTP</b> transmission link.

## Product Specifications

Maximum Range <sup>†</sup>	estimated 300 meters (UTP) or 10 kms (Fiber)
Link bandwidth required	16 Mbps full-duplex
Power required at LEX *	5V DC @ 100mA and 3.3V DC @ 90mA
Power required at REX *	5V DC @ 75mA and 3.3V DC @ 105mA
LEX dimensions	63.5mm x 63.5mm x 22.5mm (2.5" x 2.5" x 0.9")
LEX weight	34g (0.07 lb)
REX dimensions	63.5mm x 63.5mm x 21.5mm (2.5" x 2.5" x 0.8")
REX weight	28g (0.06 lb)
Operating Temperature	0°C to 70°C**
Storage Temperature	-20°C to +60°C, 0 to 90% RH non-condensing

<sup>†</sup> Actual value depends on design of LEX/REX transmission link.

\* Power ratings are for the *ExtremeUSB* Core circuitry only. Additional power is required for USB devices.

\*\* Operating Temperature is limited to existing component/IC ratings, customer must select appropriate connectors to support this rating in final product. Industrial range temp (-40°C to + 85°C) can be met if required at additional cost.

**Specifications subject to change without notification**