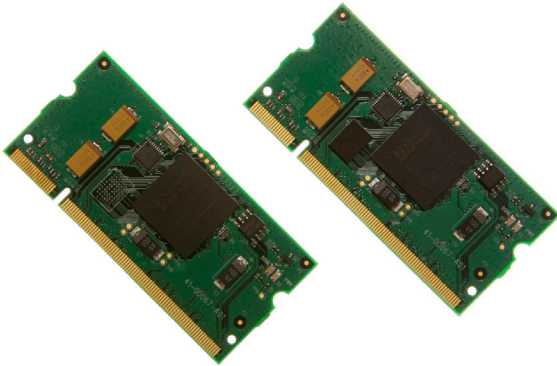


ExtremeUSB® 2.0 Core 2100

ExtremeUSB® USB 2.0 Extension OEM Module



ExtremeUSB® 2.0 Core 2100 enables OEM customers to implement high-speed USB 2.0 extension solutions into any application over any transmission medium.

ExtremeUSB® 2.0 Core 2100

- Enables embedded ExtremeUSB extension solutions; includes FPGA core and USB Phy.
- Low cost, compact, 200 pin SO-DIMM form factor and connector interface to motherboard.
- Flexible extension link interface supports GMII or TBI parallel bus interfaces.
 - Enables link interface solutions for wired media: Cat 5 or fibre optics.
- Integrated USB 2.0 Phy for direct connection to host (on local unit) and hub (on remote unit).
- Firmware upgradeable through standard SPI interface.
- Power: DC +5V, 3.3V, 1.2V
- Reference Designs provide extension solutions up to 100m over Cat 5 and 10km over fiber optics.
- Developer Kit provides working system for platform development
 - Local and Remote Core PCBs, 100m Cat 5 Extender Motherboards using GMII interface.

ExtremeUSB® Features

- Supports USB 2.0 high-speed and USB 1.1 (low-speed, full speed) devices.
- Operates with USB 2.0 high-speed host controllers and USB 1.1 classic hosts.
- True plug and play. No new driver installation required.
- Supports all major operating systems including Windows®, Mac OS®, and Linux®

Applications

- USB 2.0 Cat 5 Extender
- USB 2.0 Fibre Optic Extender
- KVM Extender
- Remote Desktop USB Connection
- Isolated USB
- Industrial Control
- Automotive Telematics
- Security Devices
- USB Video and Audio Connectivity
- Home Network Integration

Ordering Information

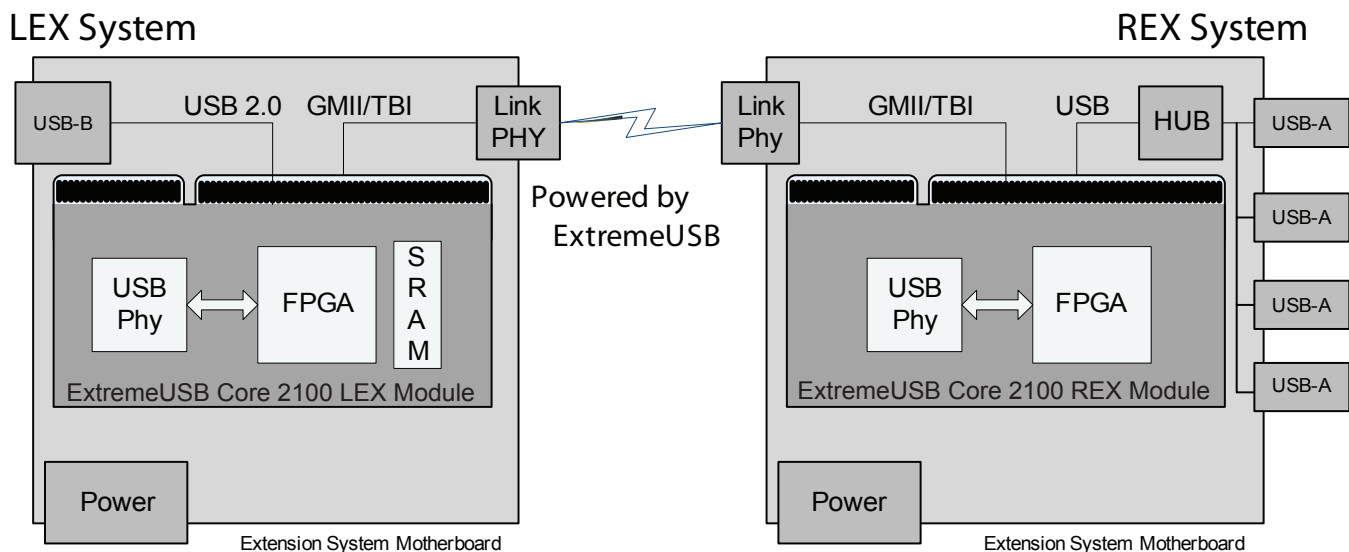
Name	Part Number	Description
ExtremeUSB® 2.0 Core 2100 LEX	10-00123	Local Extender (LEX) Core PCB with parallel interface
ExtremeUSB® 2.0 Core 2100 REX	10-00124	Remote Extender (REX) Core PCB with parallel interface
Developer Kits		
ExtremeUSB® 2.0 Core 2100 DK	00-00237	Cat 5 USB 2.0 Extender Core Developer Kit, NA Power Adapter
ExtremeUSB® 2.0 Core 2100 DK	00-00238	Cat 5 USB 2.0 Extender Core Developer Kit, EUR Power Adapter
ExtremeUSB® 2.0 Core 2100 DK	00-00239	Cat 5 USB 2.0 Extender Core Developer Kit, UK Power Adapter

Product Specifications

LEX and REX PCB Dimensions	67.6mm x 31.6mm
Operating temperature range	0°C to 50°C

Specifications subject to change without notification.

Typical Application



Contact Icron Technologies at sales@icron.com for more information