

# USB 2.0 Ranger® 2304-LAN

## 4-Port USB 2.0 Ethernet LAN Extender System

The USB 2.0 Ranger 2304-LAN provides the ability to connect USB 2.0 devices to hosts across a Ethernet Local Area Network using existing cabling.



LEX



REX

### Features

The Ranger 2304-LAN extends USB 2.0 peripherals such as flash drives, keyboards, mice, and interactive whiteboards across a Local Area Network (LAN) and supports modern USB 3.0 controllers. *Isochronous devices (such as webcams) are not supported by the Ranger 2304-LAN.*

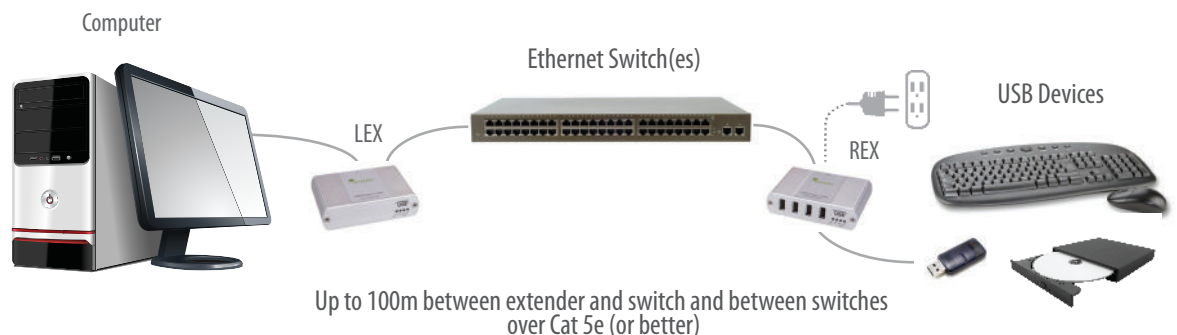
- Extends USB through 100Mbps or 1000Mbps LANs
- USB 2.0 throughput up to 480Mbps\*
- Pre-paired networked configuration\*\* for simple installation
- Supplies up to 600mA to each USB port concurrently

Includes the ExtremeUSB® suite of features:

- True plug and play; no software drivers required
- Supports all major operating systems: Windows®, Mac OS X®, and Linux®
- Reliable operation with supported USB devices, and hubs
- Patented USB extension technology

### Applications

- Remote storage
- Interactive whiteboard
- Video matrix systems
- Keyboard and mouse



\* Maximum throughput will vary based on network traffic, distances, and number of switches between extenders.

\*\* Pre-paired network configuration only applies to units purchased together as a complete LEX and REX system.



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EXTREME-  
USB®

Specifications subject to  
change without notification.  
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#90-00988-A05

# USB 2.0 Ranger® 2304-LAN Specifications



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## RANGE

Direct Connect:	Up to 100m (330 ft) over solid core Cat 5e or better
Network Connect:	Up to 100m (330 ft) between switches over solid core Cat 5e

## USB DEVICE SUPPORT

Maximum Throughput:	Up to 480Mbps*
Traffic Types:	Interrupt, Bulk and Control**
Device Types:	HID (Mouse and Keyboard), Hubs, Storage Devices**

## NETWORKING

Standards:	100BASE-T and 1000BASE-T*
Data Traffic:	Layer 2

## LEX (LOCAL EXTENDER)

USB Connector:	1 x USB Type B Receptacle
Link Connector:	1 x RJ45
Dimensions:	100mm x 76mm x 26mm (3.9" x 3.0" x 1.0")
Enclosure Material:	Silver Anodized Aluminum

## REX (REMOTE EXTENDER)

USB Connectors:	4 x USB Type A Receptacles
Link Connector:	1 x RJ45
Dimensions:	100mm x 76mm x 26mm (3.9" x 3.0" x 1.0")
Enclosure Material:	Silver Anodized Aluminum
Available Current:	Up to 600mA to each USB port
Power Supply:	100-240V AC input, 1A 24V DC Output

## ENVIRONMENTAL

Operating Temperature:	0°C to 50°C (32°F to 122°F)
Storage Temperature:	-10°C to 60°C (14°F to 140°F)
Operating Humidity:	20% to 80% relative humidity, non-condensing
Storage Humidity:	10% to 90% relative humidity, non-condensing

## COMPLIANCE

EMC:	FCC (Class B), CE (Class B)
Environmental:	RoHS2 (CE)

## SUPPORT

Warranty:	2 years
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\* Maximum speed is heavily dependant on network configuration, bandwidth and performance. 1000Base-T is highly recommended for best performance.  
\*\* Isochronous devices such as webcams and audio devices are not supported.

## Ordering Information

The USB 2.0 Ranger® 2304-LAN system includes a LEX, REX, USB Cable, Quick Start Guide, international power adapter with country specific power cord and two year warranty. For more information, email [sales@icron.com](mailto:sales@icron.com) or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
00-00335	USB 2.0 Ranger® 2304-LAN - NA	4-Port USB 2.0 Ethernet LAN Extender System, 100-240V Power Adapter, NA Power Cord
00-00336	USB 2.0 Ranger® 2304-LAN - EU	4-Port USB 2.0 Ethernet LAN Extender System, 100-240V Power Adapter, EU Power Cord
00-00337	USB 2.0 Ranger® 2304-LAN - UK	4-Port USB 2.0 Ethernet LAN Extender System, 100-240V Power Adapter, UK Power Cord
00-00338	USB 2.0 Ranger® 2304-LAN - AU	4-Port USB 2.0 Ethernet LAN Extender System, 100-240V Power Adapter, AU Power Cord