

# USB 2.0 Ranger<sup>®</sup> 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.*

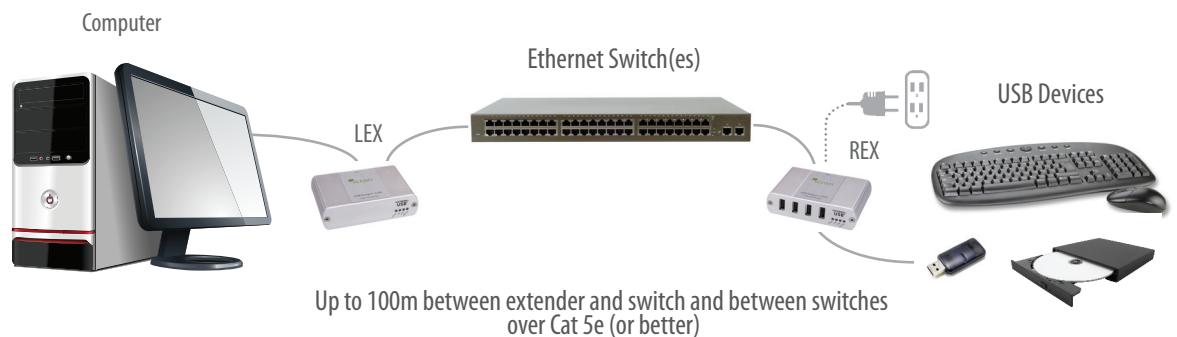
- Extends USB through 100Mbps or 1000Mbps LANs
- USB 2.0 throughput up to 480Mbps\*
- Pre-paired networked configuration\*\* for simple installation
- Supplies up to 600mA to each USB port concurrently

Includes the ExtremeUSB<sup>®</sup> suite of features:

- True plug and play; no software drivers required
- Supports all major operating systems: Windows<sup>®</sup>, Mac OS X<sup>®</sup>, and Linux<sup>®</sup>
- 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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#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

\* 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 |