

# USB 2.0 Ranger® 2324/2344 Extenders

## 4-port USB 2.0 Fiber Extender Systems

The USB 2.0 Ranger® 2324 extends high-speed USB 2.0 connections up to 500m using multimode fiber while the USB 2.0 Ranger 2344 extends up to 10km over singlemode fiber optics.



LEX

REX

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## Features

The Ranger 2324 and Ranger 2344 are ideal for extending USB peripherals including: keyboards, mice, interactive whiteboards, flash drives, hard drives, audio devices, web cameras and any other USB device across a dedicated fiber optic connection. Key features include:

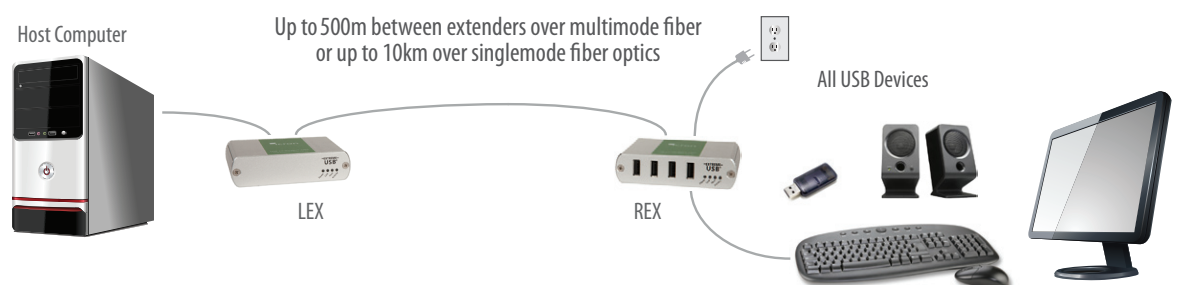
- Supports USB 2.0 throughputs of up to 480 Mbps
- Supplies up to 1 Amp per USB port; 600mA when all four ports are used concurrently
- Integrated hub provides ports for four USB devices, use hubs to add more
- Electrical isolation
- Reliable operation with USB 2.0 and 1.1 devices and hubs

Includes the ExtremeUSB® suite of features:

- Transparent USB extension
- True plug and play; no software drivers required
- Works with all major operating systems: Windows®, macOS™ and Linux®

## Applications

- Medical
- Keyboard and mouse extension
- Sensor/data acquisition
- Industrial control



**←EXTREME→  
USB®**

Specifications subject to  
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# USB 2.0 Ranger® 2324/2344 Specifications

## Ranger 2324



## Ranger 2344



### DISTANCE

Ranger 2324:

Up to 500m over Multimode Fiber (OM2+)

Ranger 2344:

Up to 10km over Singlemode Fiber

### USB DEVICE SUPPORT SPEEDS

Maximum Throughputs:

USB 2.0: Up to 480 Mbps, USB 1.1: Up to 12 Mbps

Traffic Types:

All USB 2.0 and 1.1 Traffic Types

Device Types:

All USB 2.0 and 1.1 Device Types

Maximum Number:

Up to 30 devices

### LEX (LOCAL EXTENDER)

USB Connector:

1 x USB Type B Receptacle

Link Connector:

1 x SFP Duplex LC

Dimensions:

100.0mm x 76.0mm x 26.0mm (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 SFP Duplex LC

Dimensions:

100.0mm x 76.0mm x 26.0mm (3.9" x 3.0" x 1.0")

Enclosure Material:

Silver Anodized Aluminum

Available Current:

Up to 600mA to each USB port concurrently

Power Supply:

100-240V AC Input, 24V 1A DC Output

### ENVIRONMENTAL

Operating Temperature:

0°C to 50°C (32°F to 122°F)

Storage Temperature:

-20°C to 70°C (-4°F to 158°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-year



## Ordering Information

Both USB 2.0 Ranger 2324 and Ranger 2344 systems include a LEX, REX, USB 2.0 cable, Quick Start Guide, one international power adapter with country specific power cord and 2-year warranty. For more information email [sales@icron.com](mailto:sales@icron.com) or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
00-00411	USB 2.0 Ranger 2324 - NA	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, 100-240V Power Adapter, NA Power Cord
00-00412	USB 2.0 Ranger 2324 - EU	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, 100-240V Power Adapter, EU Power Cord
00-00413	USB 2.0 Ranger 2324 - UK	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, 100-240V Power Adapter, UK Power Cord
00-00414	USB 2.0 Ranger 2324 - AU	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, 100-240V Power Adapter, AU Power Cord
00-00415	USB 2.0 Ranger 2324 - JP	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, 100-240V Power Adapter, JP Power Cord
00-00416	USB 2.0 Ranger 2344 - NA	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, 100-240V Power Adapter, NA Power Cord
00-00417	USB 2.0 Ranger 2344 - EU	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, 100-240V Power Adapter, EU Power Cord
00-00418	USB 2.0 Ranger 2344 - UK	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, 100-240V Power Adapter, UK Power Cord
00-00419	USB 2.0 Ranger 2344 - AU	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, 100-240V Power Adapter, AU Power Cord
00-00420	USB 2.0 Ranger 2344 - JP	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, 100-240V Power Adapter, JP Power Cord