

# 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



## 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:

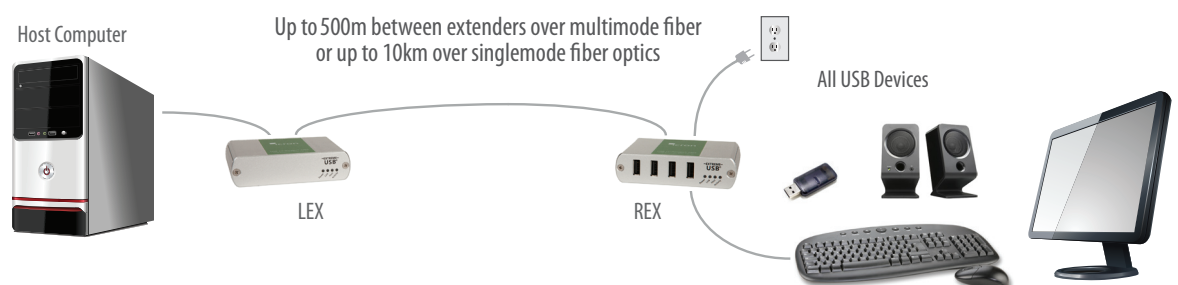
- Supports USB 2.0 throughputs of up to 480Mbps
- Supplies up to 1 Amp per USB port; 600mA when all four ports are used concurrently
- Integrated hub provides ports for four USB devices, use hubs to add more
- Electrical isolation
- Reliable operation with USB 2.0 and 1.1 devices and hubs

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™, Linux® and Chrome OS™

## Applications

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



4664 Lougheed Hwy,  
Suite 221  
Burnaby, BC,  
V5C 5T5, Canada

www.icron.com  
+1 604 638 3920



Specifications subject to change  
without notification.  
©2022  
Icron | An Analog Devices Brand  
#90-01484-D01

# USB 2.0 Ranger® 2324/2344 Specifications

Ranger 2324



Ranger 2344



## DISTANCE

Ranger 2324:  
Ranger 2344:

Up to 500m over Multimode Fiber (OM2+)  
Up to 10km over Singlemode Fiber

## USB DEVICE SUPPORT SPEEDS

Maximum Throughputs:  
Traffic Types:  
Device Types:  
Maximum Number:

USB 2.0: Up to 480Mbps, USB 1.1: Up to 12Mbps  
All USB 2.0 and 1.1 Traffic Types  
All USB 2.0 and 1.1 Device Types  
Up to 30 devices

## LEX (LOCAL EXTENDER)

USB Connector:  
Link Connector:  
Dimensions:  
Enclosure Material:

1 x USB Type B Receptacle  
1 x SFP Duplex LC  
100.0mm x 76.0mm x 26.0mm (3.9" x 3.0" x 1.0")  
Silver Anodized Aluminum

## REX (REMOTE EXTENDER)

USB Connectors:  
Link Connector:  
Dimensions:  
Enclosure Material:  
Available Current:  
Power Supply:

4 x USB Type A Receptacles  
1 x SFP Duplex LC  
100.0mm x 76.0mm x 26.0mm (3.9" x 3.0" x 1.0")  
Silver Anodized Aluminum  
Up to 600mA to each USB port concurrently  
100-240V AC Input, 24V 1A DC Output

## ENVIRONMENTAL

Operating Temperature:  
Storage Temperature:  
Operating Humidity:  
Storage Humidity:

0°C to 50°C (32°F to 122°F)  
-20°C to 70°C (-4°F to 158°F)  
20% to 80% Relative Humidity, Non-Condensing  
10% to 90% Relative Humidity, Non-Condensing

## COMPLIANCE

Certifications:

FCC (Class B), CE (Class B), RoHS2/3 (CE),  
ICES-003 Issue 7, EN 62368-1

## 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, an international power adapter with country specific power cord and 2-year warranty. For more information, contact us at [www.icron.com/contact](http://www.icron.com/contact) 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