

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.

icron

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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:

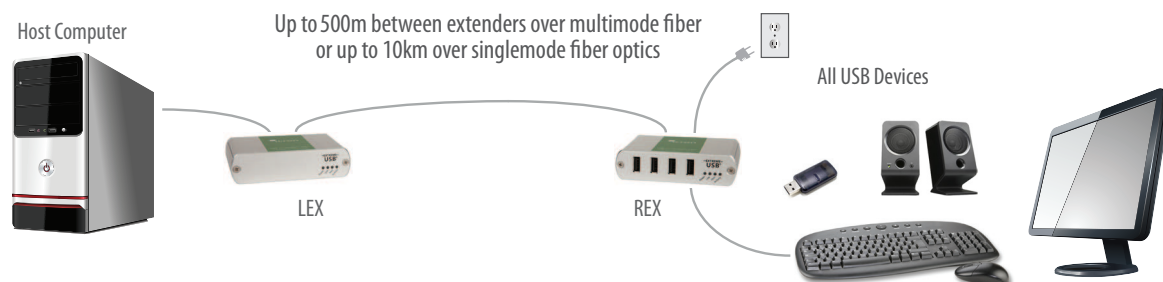
- Supports USB 2.0 throughputs of up to 480Mbps
- Supplies up to 1 Amp per USB port; 600mA when all four ports are used concurrently
- Integrated hub provides ports for four USB devices, use hubs to add more
- Electrical isolation
- Reliable operation with USB 2.0 and 1.1 devices and hubs

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



Specifications subject to
change without notification.

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DIREKTRONIK

Direktronik AB tel. 08-52-400 700 www.direktronik.se

**←EXTREME→
USB®**

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

EMC:
Environmental:

FCC (Class B), CE (Class B)
RoHS2 (CE)

SUPPORT

Warranty:

2-year



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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 email IconSales@MaximIntegrated.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