

# USB 2.0 RG2324 & RG2344 Extenders

## 4-port USB 2.0 Fiber Extender Systems

*Sold as unbranded or private label*

The USB 2.0 RG2324 with ExtremeUSB® technology extends high-speed USB 2.0 connections up to 500m using multimode fiber while the USB 2.0 RG2344 extends up to 10km over single mode fiber optics.

Local Extender

Remote Extender



## Features

The RG2324 and RG2344 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:

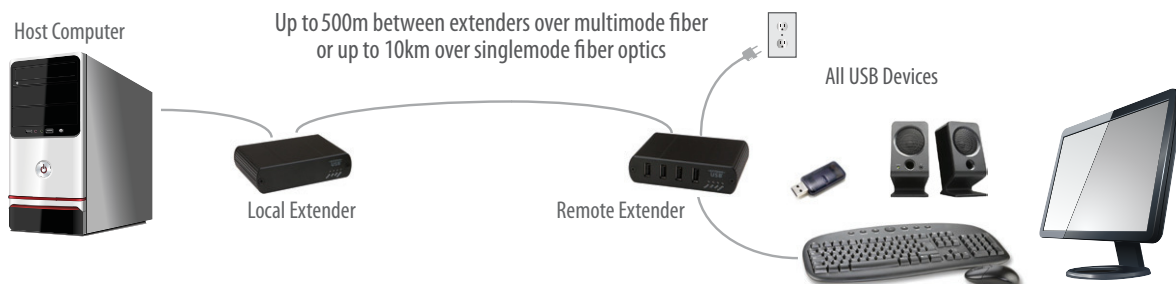
- Supports USB 2.0 throughputs of up to 480 Mbps
- Reliable operation with USB 2.0 and 1.1 devices and hubs
- Supplies up to 1 Amp per USB port; 2.5 Amps total shared for all four ports used concurrently
- Integrated hub provides ports for four USB devices, use hubs to add more
- Mass Storage Acceleration for USB 2.0 device bulk transfer speeds
- Electrical isolation

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



# USB 2.0 RG2324 & RG2344 Specifications

Ranger 2324



Ranger 2344



## DISTANCE

RG2324:

Up to 500m over Multimode Fiber (OM2+)

RG2344:

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

## 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:

Black Anodized Aluminum

## 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:

Black Anodized Aluminum

Available Current:

Up to 1 Amp per USB port, 2.5 Amps total shared

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 & Environmental:

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

## SUPPORT

Warranty:

2-year

## Ordering Information

Both USB 2.0 RG2324 and RG2344 systems include a local extender, remote extender, 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
01-00614	USB 2.0 RG2324-NA	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, NA Power Cord
01-00615	USB 2.0 RG2324-EU	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, EU Power Cord
01-00616	USB 2.0 RG2324-UK	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, UK Power Cord
01-00617	USB 2.0 RG2324-AU	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, AU Power Cord
01-00618	USB 2.0 RG2324-JP	4-Port USB 2.0 500m Multimode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, JP Power Cord
01-00619	USB 2.0 RG2344-NA	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, NA Power Cord
01-00620	USB 2.0 RG2344-EU	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, EU Power Cord
01-00621	USB 2.0 RG2344-UK	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, UK Power Cord
01-00622	USB 2.0 RG2344-AU	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, AU Power Cord
01-00623	USB 2.0 RG2344-JP	4-Port USB 2.0 10km Singlemode Fiber Optic Extender System, Unbranded, Black, 100-240V Power Adapter, JP Power Cord