

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:

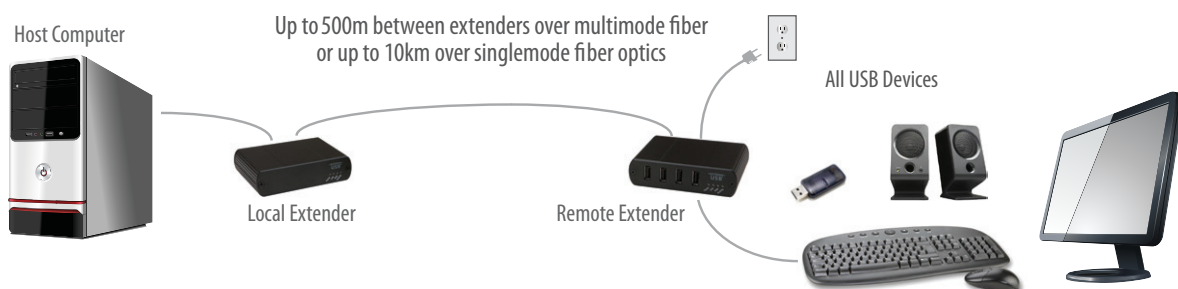
- Supports USB 2.0 throughputs of up to 480 Mbps
- Reliable operation with USB 2.0 and 1.1 devices and hubs
- Supplies up to 1 Amp per USB port; 2.5 Amps total shared for all four ports used concurrently
- Integrated hub provides ports for four USB devices, use hubs to add more
- Mass Storage Acceleration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