



An Analog Devices Brand

OEM Products

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

icron.com
+1 604 638 3920

←EXTREME→
USB®

Specifications subject to change
without notification.

©2022

Icron | An Analog Devices Brand

#90-01562-D01

USB 2.0 RG2304S Extender

4-port USB 2.0 Simultaneous Users Interaction Extender System

Sold as unbranded or private label

The USB 2.0 RG2304S is a USB 2.0 high-speed OEM extension solution supporting a "virtual hub-like" feature called Simultaneous Users Interaction where multiple users in multiple locations can collaboratively view and edit common files over a Local Area Network (LAN) in real time using keyboards, mice and touch screens.

Local Extender

Remote Extender



Features

Simultaneous Users Interaction provides a one-to-many pairing of Local to Remote extenders, enabling up to seven different Remote stations to be extended over a LAN at the same time. USB 2.0/1.1 peripherals supported include touch screens, flash drives, keyboards, mice, speakers, webcams and interactive whiteboards.

- USB 2.0 throughput up to 480Mbps point-to-point or over LAN*
- SwitchableUSB™ for switching one-to-one extender pairings
- Simultaneous Users Interaction for one-to-seven extender pairings
- FCC/CE Class B certification

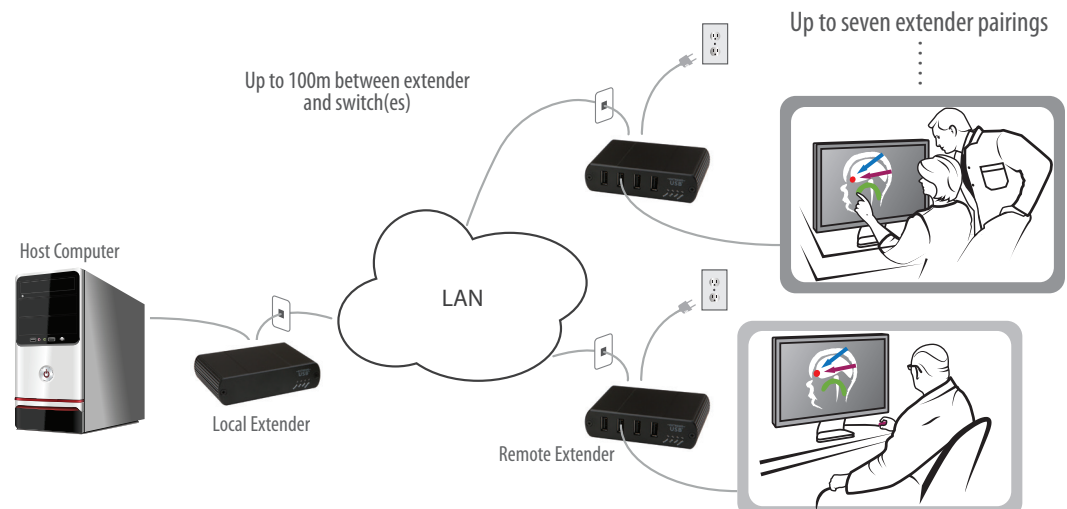
Includes the ExtremeUSB® suite of features:

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

Contact your account representative for other OEM advanced features such as Device Class Filtering, Hot Keys and Vendor Lock.

Applications

- Training centers
- Medical consultations
- Interactive displays
- Campaign/event planning



* Maximum throughput will vary based on network traffic, distances and number of switches between extenders.

USB 2.0 RG2304S Specifications

RANGE

Direct Connect:	Up to 100m (330 ft) over solid core CAT 5e/6/7
Network Connect:	Up to 100m (330 ft) between switches over solid core CAT 5e/6/7 (One local to seven remote pairings supported for Simultaneous Users Interaction)

USB DEVICE SUPPORT

Maximum Throughputs:	USB 2.0: Up to 480Mbps*; USB 1.1: Up to 12Mbps
Traffic Types:	All USB 2.0 and 1.1 Traffic Types (Control, Interrupt, Isochronous and Bulk)
Device Types:	All USB 2.0 and 1.1 Device Types and Classes
Maximum Number:	Up to 30 USB devices

NETWORKING

Standards:	1000BASE-T*
Data Traffic:	Layer 2
Control Traffic:	Layer 3

LOCAL EXTENDER

USB Connector:	1 x USB Type B Receptacle
Link Connector:	1 x RJ45
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 RJ45
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 600mA to each USB port when used concurrently
Power Supply:	100-240V AC input, 1A 24V 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

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

SUPPORT

Warranty:	2-year
-----------	--------

* Maximum speed is heavily dependant on network configuration, bandwidth & performance. 1000Base-T is highly recommended for best performance.



Ordering Information

The USB 2.0 RG2304S sells individually as a local extender or remote extender, each with a 2-year warranty. Power supply, cord and mounting kit sold separately. For more information, contact us at www.icron.com/contact or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
10-00538	USB 2.0 RG2304S – Local Extender	1-Port USB 2.0 GigE LAN Local Extender Module - configured for Simultaneous Users Interaction
10-00539	USB 2.0 RG2304S – Remote Extender	4-Port USB 2.0 GigE LAN Remote Extender Module - configured for Simultaneous Users Interaction
21-00110	24V 1A Power Adapter (Level VI)	24V 1A DC Output, 100-240VAC Input Power Supply with 2.1mm (ID) Plug and IEC320-C7/C8 2-pin connector
21-00115	NA Ungrounded Power Cord	IEC320-C7/C8 2-pin Power Cord for North America
21-00116	EU Ungrounded Power Cord	IEC320-C7/C8 2-pin Power Cord for European Union
21-00117	UK Ungrounded Power Cord	IEC320-C7/C8 2-pin Power Cord for United Kingdom
21-00118	AU Ungrounded Power Cord	IEC320-C7/C8 2-pin Power Cord for Australia/New Zealand
21-00109	JP Ungrounded Power Cord	IEC320-C7/C8 2-pin Power Cord for Japan
10-00394	USB Mounting Kit (2304/3022)	USB Extender Mounting Kit for 23XX Series (Black) - set of two brackets and hardware