

# USB 2.0 RG2301S Extender

## 1-port USB 2.0 Simultaneous Users Interaction Extender System

*Sold as unbranded or private label*

The USB 2.0 RG2301S 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 480 Mbps 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

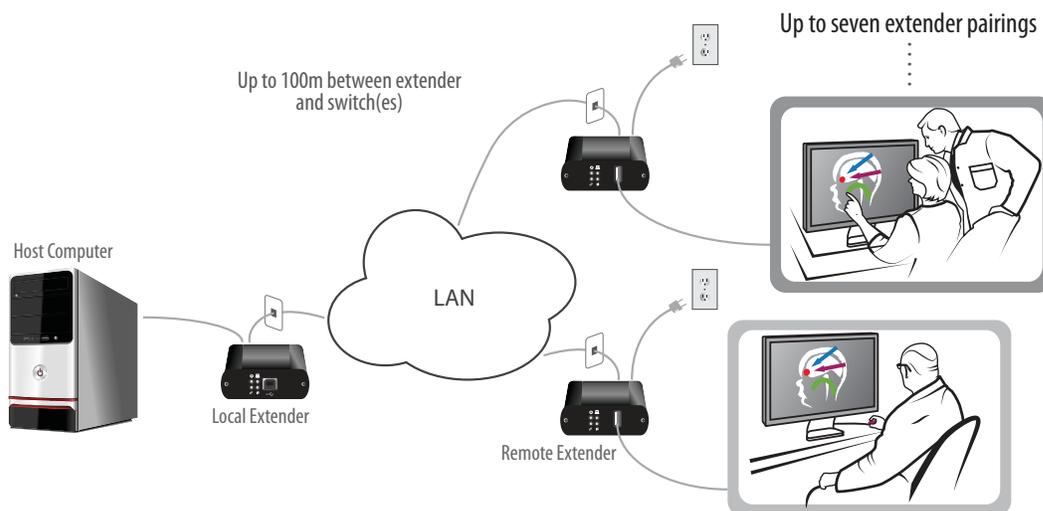
Includes the ExtremeUSB® suite of features:

- 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 RG2301S 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 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 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:	86.0mm x 75.0mm x 26.0mm (3.4" x 3.0" x 1.0")
Enclosure Material:	Black Anodized Aluminum

## REMOTE EXTENDER

USB Connector:	1 x USB Type A Receptacle
Link Connector:	1 x RJ45
Dimensions:	86.0mm x 75.0mm x 26.0mm (3.4" x 3.0" x 1.0")
Enclosure Material:	Black Anodized Aluminum
Available Current:	Up to 1 Amp to USB port
Power Supply:	100-240V AC Input, 5V 3A DC Output (sold separately)

## 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)
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## SUPPORT

Warranty:	2-year
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\* Maximum speed is heavily dependent on network configuration, bandwidth & performance. 1000Base-T is highly recommended for best performance.



## Ordering Information

The USB 2.0 RG2301S 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, email [sales@icron.com](mailto:sales@icron.com) or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
10-00540	USB 2.0 RG2301S – Local Extender	1-Port USB 2.0 GigE LAN Local Extender Module - configured for Simultaneous Users Interaction
10-00541	USB 2.0 RG2301S – Remote Extender	1-Port USB 2.0 GigE LAN Remote Extender Module - configured for Simultaneous Users Interaction
21-00111	5V 3A Power Adapter (Level VI)	5V 3A DC Output, 100-240VAC Input Power Supply with 1.7mm (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
10-00536	USB Mounting Kit (2301/12)	USB Extender Mounting Kit for 2301/2312 (Black) - set of two brackets and hardware