# USB 2.0 RG2304-LAN Extender

## 4-port USB 2.0 Ethernet LAN Extender System

*Sold as unbranded or private label*

The USB 2.0 RG2304-LAN provides the ability to connect USB 2.0 devices to hosts across a Local Area Network using existing Ethernet cabling.



*Local Extender*                 *Remote Extender*

## Features

The RG2304-LAN extends USB 2.0 peripherals such as flash drives, keyboards, mice, and interactive whiteboards across a Local Area Network (LAN) and supports modern USB 3.0 controllers. *Isochronous devices (such as webcams) are not supported by the RG2304-LAN.*

- ■ Extends USB through 100Mbps or 1000Mbps LANs
- ■ USB 2.0 throughput up to 480Mbps*
- ■ Pre-paired networked configuration** for simple installation
- ■ Supplies up to 600mA to each USB port concurrently
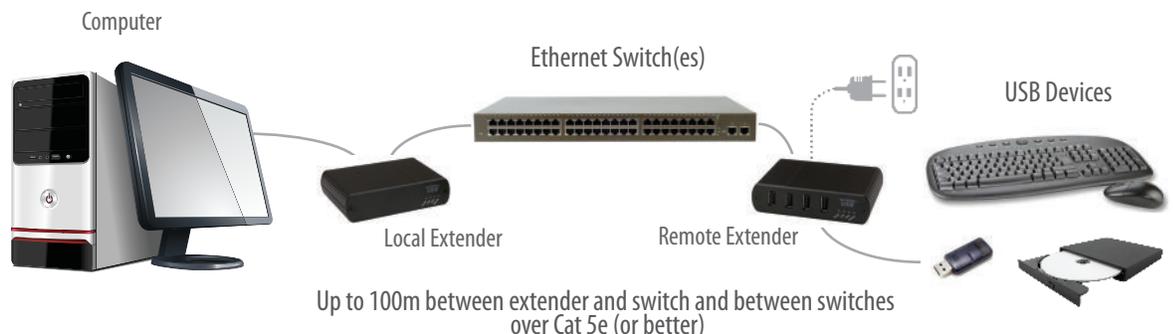
Includes the ExtremeUSB® suite of features:

- ■ True plug and play. No software drivers required
- ■ Supports all major operating systems: Windows®, Mac OS X®, and Linux®
- ■ Reliable operation with supported USB device types, and hubs
- ■ Patented USB extension technology

Supports remote pairing control via Icron Technologies' SwitchableUSB™.

## Applications

- ■ Remote storage
- ■ Video matrix systems
- ■ Interactive whiteboard
- ■ Keyboard and mouse



Computer

Ethernet Switch(es)

USB Devices

Local Extender          Remote Extender

Up to 100m between extender and switch and between switches
over Cat 5e (or better)

EXTREME
USB ®

\* Maximum throughput will vary based on network traffic, distances and number of switches between extenders.
\*\* Pre-paired network configuration only applies to units purchased together as a complete Local and Remote Extender system.

# USB 2.0 RG2304-LAN Specifications

## RANGE

| | |
|---|---|
| Direct Connect: | Up to 100m (330 ft) over solid core Cat 5e or better |
| Network Connect: | Up to 100m (330 ft) between switches over solid core Cat 5e |

## USB DEVICE SUPPORT

| | |
|---|---|
| Network and Direct Connect: | Up to 480Mbps* |
| Traffic Types: | Interrupt, Bulk and Control** |
| Device Types: | HID (Mouse and Keyboard), Hubs, Storage Devices** |
| Maximum Number: | Up to 31 devices |

## NETWORKING

| | |
|---|---|
| Standards: | 100BASE-T and 1000BASE-T* |
| Data Traffic: | Layer 2 |

## LOCAL EXTENDER

| | |
|---|---|
| USB Connector: | 1 x USB Type B Receptacle |
| Link Connector: | 1 x RJ45 |
| Dimensions: | 100mm x 76mm x 26mm (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: | 100mm x 76mm x 26mm (3.9" x 3.0" x 1.0") |
| Enclosure Material: | Black Anodized Aluminum |
| Available Current: | Up to 600mA to each USB port |
| Power Supply: | 100-240V AC input, 24V DC Output |

## ENVIRONMENTAL

| | |
|---|---|
| Operating Temperature: | 0°C to 50°C (32°F to 122°F) |
| Storage Temperature: | -10°C to 60°C (14°F to 140°F) |
| Operating Humidity: | 20% to 80% relative humidity, non-condensing |
| Storage Humidity: | 10% to 90% relative humidity, non-condensing |

## COMPLIANCE

| | |
|---|---|
| EMC: | FCC (Class B), CE (Class B) |
| Environmental: | RoHS2 (CE) |

## SUPPORT

| | |
|---|---|
| Warranty: | 2 years |

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* Maximum speed is heavily dependant on network configuration, bandwidth and performance. 1000Base-T is highly recommended for best performance.
** Isochronous devices such as webcameras and audio devices are not supported.

## Ordering Information

The RG2304-LAN system includes a local extender, remote extender, USB cable, Quick Start Guide, one international power adapter with country specific power cord and two year warranty. For more information email sales@icron.com or call +1 604 638 3920.

| PART # | NAME | DESCRIPTION |
|---|---|---|
| 01-00397 | RG2304-LAN - NA | 4-Port USB 2.0 Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, NA Plug |
| 01-00398 | RG2304-LAN - EU | 4-Port USB 2.0 Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, EU Plug |
| 01-00399 | RG2304-LAN - UK | 4-Port USB 2.0 Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, UK Plug |
| 01-00400 | RG2304-LAN - AU | 4-Port USB 2.0 Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, AU Plug |