

# USB RG2304N/2304GE-LAN Extender

## 4-port USB 2.0 Gigabit Ethernet LAN Extender System

*Sold as unbranded or private label*

The USB 2.0 RG2304N/2304GE-LAN provides the ability to connect all USB 2.0 device types to hosts across a Gigabit Ethernet Local Area Network using existing cabling.

*Local Extender*

*Remote Extender*



## Features

The RG2304N/2304GE-LAN extends USB 2.0 peripherals such as flash drives, keyboards, mice, speakers, webcams and interactive whiteboards across a Local Area Network (LAN) and supports modern USB 3.0 controllers.

- USB 2.0 throughput up to 480Mbps\*
- Pre-paired networked configuration\*\* for simple installation
- Supplies up to 600mA to each USB port concurrently
- Mass Storage Acceleration for USB 2.0 device bulk transfers

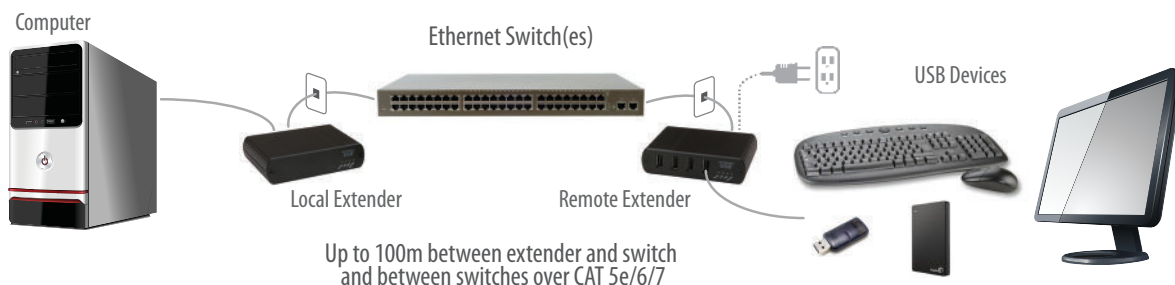
Includes the ExtremeUSB® suite of features:

- 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 OEM advanced features such as remote pairing control via Icron's SwitchableUSB™ protocols, Device Class Filtering, Hot Keys and Vendor Lock, available on the RG2304GE-LAN only.

## Applications

- Remote storage
- Security and monitoring
- Video matrix systems
- Keyboard and mouse



\* 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 RG2304N/2304GE-LAN 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

## 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 (2304GE-LAN only):	Layer 3, customizable as unicast or broadcast

## 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

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 dependant on network configuration, bandwidth and performance. 1000Base-T is highly recommended for best performance.



## Ordering Information

The USB 2.0 RG2304N/2304GE-LAN system includes a local extender, remote extender, USB cable, Quick Start Guide, 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
01-00453	RG2304GE-LAN - NA	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, NA Plug
01-00454	RG2304GE-LAN - EU	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, EU Plug
01-00455	RG2304GE-LAN - UK	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, UK Plug
01-00456	RG2304GE-LAN - AU	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, AU Plug
01-00529	RG2304GE-LAN - JP	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, JP Plug
01-00609	RG2304N-NA	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, NA Plug (without UDP)
01-00610	RG2304N-EU	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, EU Plug (without UDP)
01-00611	RG2304N-UK	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, UK Plug (without UDP)
01-00612	RG2304N-AU	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, AU Plug (without UDP)
01-00613	RG2304N-JP	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Unbranded Black, 100-240V Power Adapter, JP Plug (without UDP)