USB 2.0 Ranger® 2304GE-LAN Extender

4-port USB 2.0 Gigabit Ethernet LAN Extender System

The USB 2.0 Ranger 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.

LEX

REX

Features

The Ranger 2304GE-LAN extends USB 2.0 peripherals such as flash drives, keyboards, mice, webcams and interactive whiteboards across a Local Area Network (LAN) and supports isochronous devices such as webcams.
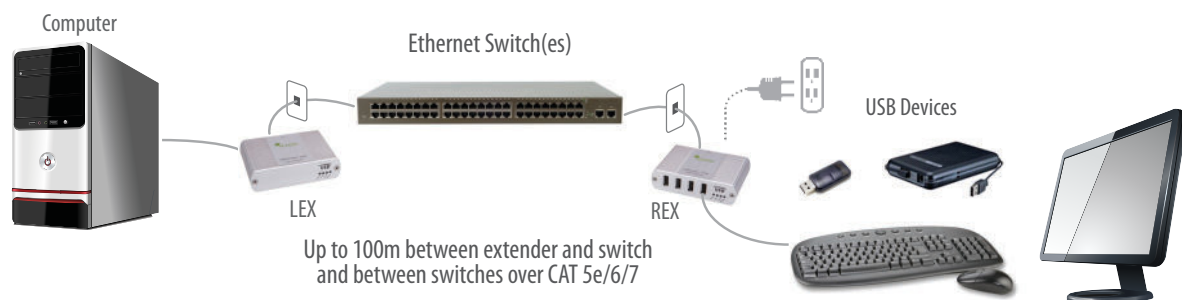
- Extends USB through 1000Mbps LANs
- USB 2.0 throughput up to 480Mbps*
- Pre-paired networked configuration** for simple installation
- Supplies up to 600mA at each USB port concurrently; 1A per port when two or less are used

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™, Linux® and Chrome OS™

Applications

- Remote storage
- Industrial Control
- Security and monitoring
- Keyboard and mouse

Computer

Ethernet Switch(es)

USB Devices

LEX

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Up to 100m between extender and switch
and between switches over CAT 5e/6/7

* 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 Ranger® 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

Network and Direct Connect:	Up to 480Mbps*
Traffic Types:	All USB 2.0 Traffic Types
Device Types:	All USB 2.0 Device Types
Maximum Number:	Up to 30 devices

NETWORKING

Standards:	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:	Silver 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:	Silver Anodized Aluminum
Available Current:	Up to 600mA to each USB port concurrently
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

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

SUPPORT

Warranty:	2-year

EXTREME USB®

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

Ordering Information

The Ranger 2304GE-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, contact us at www.icron.com/contact or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
00-00376	USB 2.0 Ranger 2304GE-LAN - NA	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Silver, 100-240V Power Adapter, NA Plug
00-00377	USB 2.0 Ranger 2304GE-LAN - EU	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Silver, 100-240V Power Adapter, EU Plug
00-00378	USB 2.0 Ranger 2304GE-LAN - UK	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Silver, 100-240V Power Adapter, UK Plug
00-00379	USB 2.0 Ranger® 2304GE-LAN - AU	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Silver, 100-240V Power Adapter, AU Plug
00-00380	USB 2.0 Ranger 2304GE-LAN - JP	4-Port USB 2.0 Gigabit Ethernet LAN Extender System, Silver, 100-240V Power Adapter, JP Plug
10-00406	USB Mounting Kit - Silver	Includes: 2 brackets, 4 locking washers and 4 (M3 x 5mm) Phillips pan head screws. Order 1 kit per LEX or REX and 2 kits per system.