USB 2.0 Ranger® 2301GE-LAN Extender

1-port USB 2.0 Gigabit Ethernet LAN Extender System

The USB 2.0 Ranger® 2301GE-LAN is a single-port USB 2.0 high-speed extension solution, enabling USB 2.0 connections at up to 480Mbps across a Gigabit Ethernet Local Area Network using existing cabling. It features full device and host support as well as Mass Storage Acceleration for improved USB 2.0 device bulk transfer speeds over previous generation extenders and the ExtremeUSB® suite of features.

LEX

REX

Features

The Ranger 2301GE-LAN extends all 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.

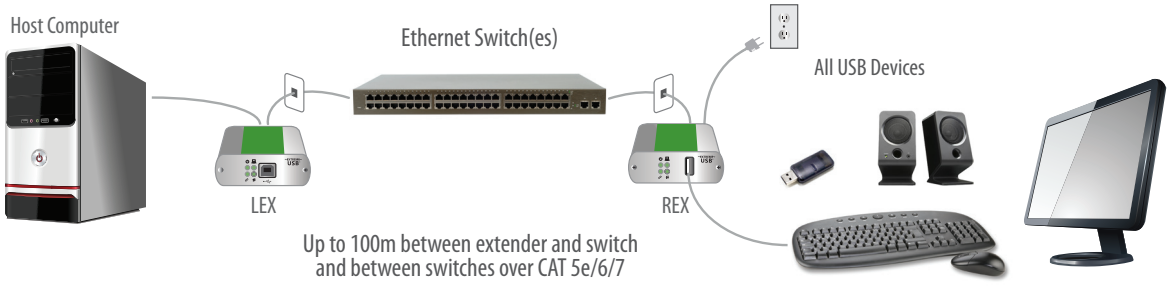
- USB 2.0 throughput up to 480Mbps*
- Pre-paired networked configuration** for simple installation
- Supplies up to 1 Amp to USB port
- Mass Storage Acceleration for USB 2.0 device bulk transfers
- FCC/CE Class B

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
- Professional Audio-Visual
- Security and monitoring
- 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.

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

www.icron.com
+1 604 638 3920

EXTREME USB®

#90-01489-A03

USB 2.0 Ranger® 2301GE-LAN Specifications

EXTREME USB®

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 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 devices

NETWORKING

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

LEX (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:	Silver Anodized Aluminum

REX (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:	Silver Anodized Aluminum
Available Current:	Up to 1 Amp to USB port
Power Supply:	100-240V AC Input, 5V 3A 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)

SUPPORT

Warranty:	2-year

* 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 Ranger 2301GE-LAN system includes a LEX, REX, USB 2.0 cable, Quick Start Guide, international power adapter with country specific power cord and 2-year warranty. For more information, email IcronSales@MaximIntegrated.com or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
00-00396	USB 2.0 Ranger 2301GE-LAN - NA	1-Port USB 2.0 Gigabit Ethernet LAN Extender System, 100-240V Power Adapter, NA Power Cord
00-00397	USB 2.0 Ranger 2301GE-LAN - EU	1-Port USB 2.0 Gigabit Ethernet LAN Extender System, 100-240V Power Adapter, EU Power Cord
00-00398	USB 2.0 Ranger 2301GE-LAN - UK	1-Port USB 2.0 Gigabit Ethernet LAN Extender System, 100-240V Power Adapter, UK Power Cord
00-00399	USB 2.0 Ranger 2301GE-LAN - AU	1-Port USB 2.0 Gigabit Ethernet LAN Extender System, 100-240V Power Adapter, AU Power Cord
00-00400	USB 2.0 Ranger 2301GE-LAN - JP	1-Port USB 2.0 Gigabit Ethernet LAN Extender System, 100-240V Power Adapter, JP Power Cord