USB 2.0 Ranger® 2301
1-Port USB 2.0 100m CAT 5e/6/7 Extender System

The USB 2.0 Ranger 2301 is a single-port USB 2.0 high speed extension solution, enabling USB 2.0 connections at up to 480 Mbps over 100m/330ft of CAT 5e/6/7 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 2301 extends all USB 2.0 peripherals such as flash drives, keyboards, mice, webcams and interactive whiteboards across a dedicated CAT 5e/6/7 connection.

- USB 2.0 throughput up to 480Mbps
- Supplies up to 1 Amp to USB port
- Operates with all USB controllers
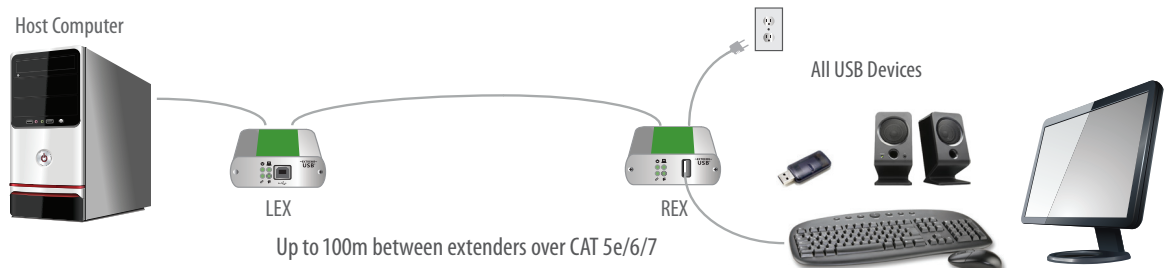- Mass Storage Acceleration
- FCC/CE Class B

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

Host Computer

All USB Devices

LEX

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Up to 100m between extenders over CAT 5e/6/7

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icron
Now Part of **Maxim Integrated**

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EXTREME
USB®

RANGE

Direct Connect:	Up to 100m (330 ft) over solid core CAT 5e/6/7

USB DEVICE SUPPORT

Maximum USB 2.0 Throughput:	Up to 480Mbps
Maximum USB 1.1 Throughput:	Up to 12Mbps
Traffic Types:	All USB 2.0 and 1.1 Traffic Types
Device Types:	All USB 2.0 and 1.1 Device Types

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:	FCC (Class B), CE (Class B)
Environmental:	RoHS2 (CE)

SUPPORT

Warranty:	2-year

**EXTREME
USB®**

Ordering Information

The USB 2.0 Ranger® 2301 system includes a LEX, REX, USB 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
00-00391	USB 2.0 Ranger® 2301 - NA	1-Port USB 2.0 100m CAT 5e/6/7 Extender System, 100-240V Power Adapter, NA Power Cord
00-00392	USB 2.0 Ranger® 2301 - EU	1-Port USB 2.0 100m CAT 5e/6/7 Extender System, 100-240V Power Adapter, EU Power Cord
00-00393	USB 2.0 Ranger® 2301 - UK	1-Port USB 2.0 100m CAT 5e/6/7 Extender System, 100-240V Power Adapter, UK Power Cord
00-00394	USB 2.0 Ranger® 2301 - AU	1-Port USB 2.0 100m CAT 5e/6/7 Extender System, 100-240V Power Adapter, AU Power Cord
00-00395	USB 2.0 Ranger® 2301 - JP	1-Port USB 2.0 100m CAT 5e/6/7 Extender System, 100-240V Power Adapter, JP Power Cord