



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

www.icron.com  
sales@icron.com  
+1 604 638 3920

EXTREME  
USB®

Specifications subject to  
change without notification.  
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Icron Technologies Corp.  
#90-01443-A02

# 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.



## 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.

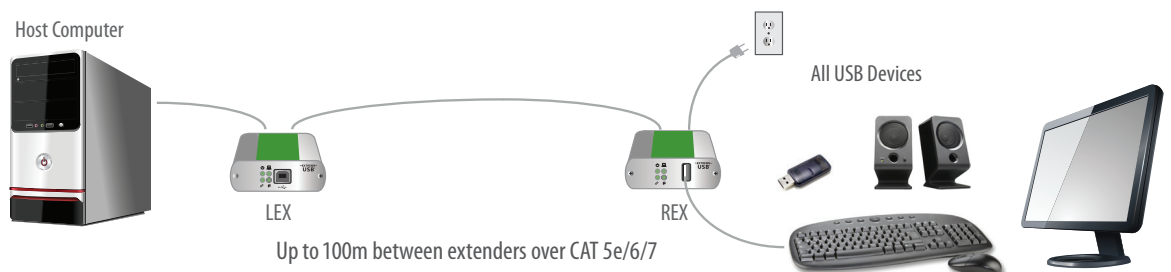
- USB 2.0 throughput up to 480 Mbps
- Supplies up to 1 Amp to USB port
- Operates with all USB controllers
- Mass Storage Acceleration
- FCC/CE Class B

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™ and Linux®

## Applications

- Remote storage
- Security and monitoring
- Professional Audio-Visual
- Keyboard and mouse



# USB 2.0 Ranger® 2301 Specifications

## 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 480 Mbps

Maximum USB 1.1 Throughput: 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

## 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



## 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 [sales@icron.com](mailto:sales@icron.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 |