

# USB 2.0 Ranger® 2304

## 4-Port USB 2.0 100m Cat 5e Extender System

The USB 2.0 Ranger 2304 is the latest in a long line of reliable point-to-point USB 2.0 extender systems from Icron Technologies. It features full device and host support, including newer USB 3.0 compatible devices and controllers, and fast USB 2.0 throughputs.



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

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

### Features

The Ranger 2304 extends all USB 2.0 peripherals such as flash drives, keyboards, mice, webcams and interactive whiteboards across a dedicated Cat 5e connection.

- USB 2.0 throughput up to 480Mbps
- Integrated hub provides ports for four USB devices, use hubs to add more
- Supplies up to 600mA to each USB port concurrently
- Operates with all USB controllers

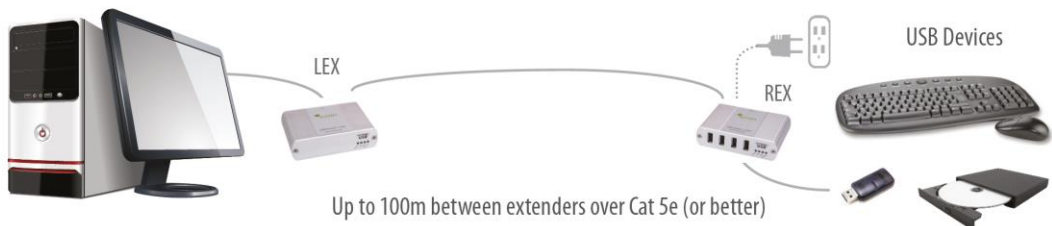
Includes the ExtremeUSB® suite of features:

- True plug and play. No software drivers required
- Supports all major operating systems: Windows®, Mac OS X®, and Linux®
- Reliable operation with all USB device types, and hubs
- Patented USB extension technology

### Applications

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

Computer



\* Supports Category cabling with Cat 5e being the minimum recommended. Cat 6 and 7 are supported.



Specifications subject to  
change without notification.  
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#90-01097-A01

## USB 2.0 Ranger® 2304 Specifications



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**EXTREME  
USB**

### RANGE

Direct Connect: Up to 100m (330 ft) over solid core Cat 5e or better

### 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: 100mm x 76mm x 26mm (3.9" x 3.0" x 1.0")  
Enclosure Material: Silver Anodized Aluminum

### REX (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  
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: -10°C to 60°C (14°F to 140°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 years

## Ordering Information

The USB 2.0 Ranger® 2304 system includes a LEX, REX, USB Cable, Quick Start Guide, international power adapter with country specific power cord and two year warranty. For more information, email [sales@icron.com](mailto:sales@icron.com) or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
00-00347	USB 2.0 Ranger® 2304 - NA	4-Port USB 2.0 100m Cat 5e Extender System, 100-240V Power Adapter, NA Power Cord
00-00348	USB 2.0 Ranger® 2304 - EU	4-Port USB 2.0 100m Cat 5e Extender System, 100-240V Power Adapter, EU Power Cord
00-00349	USB 2.0 Ranger® 2304 - UK	4-Port USB 2.0 100m Cat 5e Extender System, 100-240V Power Adapter, UK Power Cord
00-00350	USB 2.0 Ranger® 2304 - AU	4-Port USB 2.0 100m Cat 5e Extender System, 100-240V Power Adapter, AU Power Cord