

# 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.



## 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
- Security and monitoring
- Professional Audio-Visual
- Keyboard and mouse



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



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←EXTREME-  
USB®

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#90-01097-A01

# USB 2.0 Ranger® 2304 Specifications



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## 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 |