

# USB 2.0 Ranger® 2304

## 4-Port USB 2.0 100m CAT 5e/6/7 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 throughput.



### 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/6/7 connection.

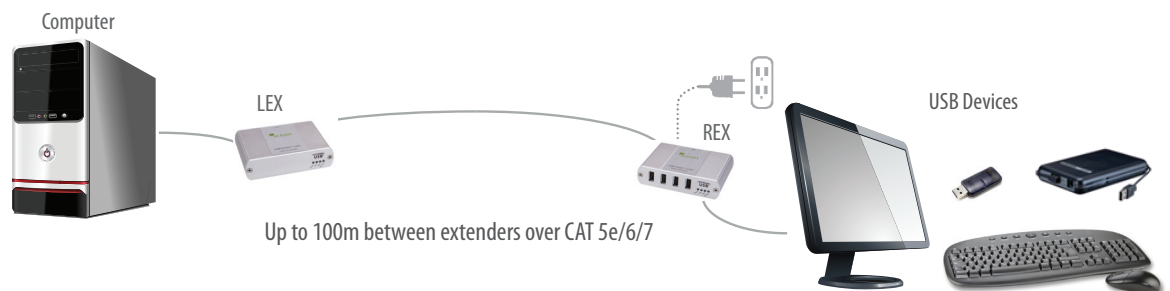
- USB 2.0 throughput up to 480Mbps
- Integrated hub provides ports for four USB devices, use hubs to add more
- Supplies up to 600mA to each USB port concurrently
- Operates with all USB controllers

Includes the ExtremeUSB® suite of features:

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



**icron**  
Now Part of Maxim Integrated

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**EXTREME  
USB**

Specifications subject to  
change without notification.  
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#90-01097-B03

# USB 2.0 Ranger® 2304 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 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: -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® 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 [lcronSales@MaximIntegrated.com](mailto:lcronSales@MaximIntegrated.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/6/7 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/6/7 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/6/7 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/6/7 Extender System, 100-240V Power Adapter, AU Power Cord
00-00373	USB 2.0 Ranger® 2304 - JP	4-Port USB 2.0 100m CAT 5e/6/7 Extender System, 100-240V Power Adapter, JP Power Cord