Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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.

LEX

REX

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
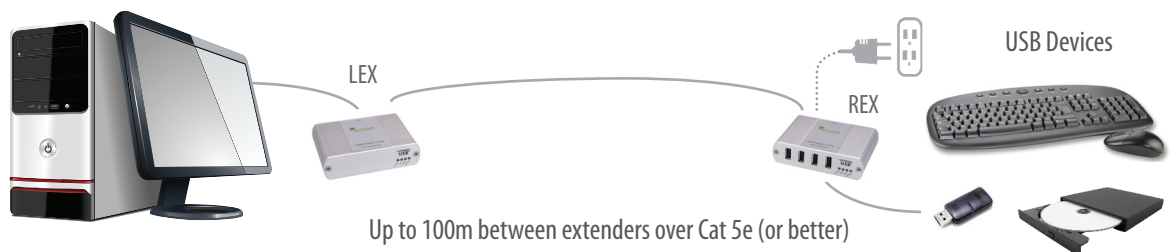- Operates with all USB controllers

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

LEX

REX

USB Devices

Up to 100m between extenders over Cat 5e (or better)

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

USB 2.0 Ranger® 2304 Specifications

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

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

EXTREME USB®

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** 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