USB 2.0 Ranger® 2104
4-Port 100m Cat 5e Extender System

The USB 2.0 Ranger 2104 extends USB 2.0 beyond the desktop up to 100m over standard Cat 5e* cable using ExtremeUSB® technology.

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

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

LEX
(Local Extender)

REX
(Remote Extender)

Features

The USB 2.0 Ranger 2104 is ideal for extending USB peripherals including: I/O devices, printers, scanners, web cams, hard drives, flash drives, and mp3 players.
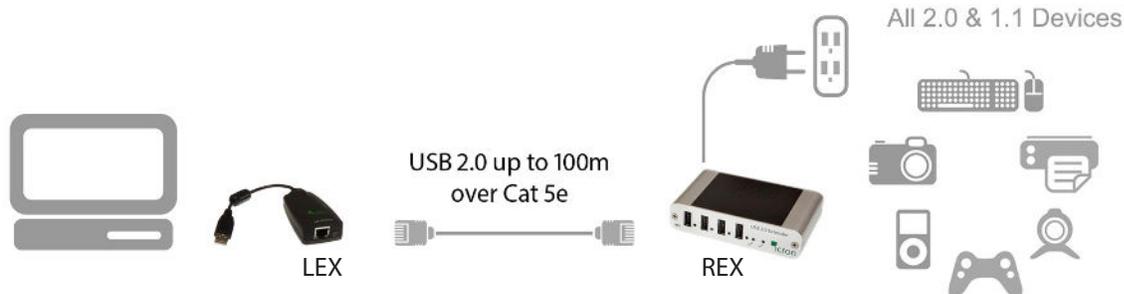
- Supports USB 2.0 high-speed and USB 1.1 (low-speed, full speed) devices
- Operates with USB 2.0 high-speed host controllers and USB 1.1 classic hosts
- Integrated hub provides four port USB; number of devices can be increased using additional USB hubs
- Bus powered local unit at computer; A/C power at remote unit provides standard 500mA at USB

Includes the ExtremeUSB suite of features:

- Plug and Play; no installation of software drivers required
- Supports all major operating systems: Windows®, Mac OS X®, and Linux®
- Reliable operation with USB 2.0 and 1.1 devices and hubs
- Patented USB extension technology

Applications

- Digital Signage
- Security: web camera, access control
- USB Device Sharing: print, scan, storage
- Remote Desktop USB Connections
- Industrial Control
- Interactive Whiteboard

All 2.0 & 1.1 Devices

USB 2.0 up to 100m
over Cat 5e

LEX

REX

*   This product supports Cat 5e or better cabling (i.e. Cat 6, Cat 7, etc). All references to "Cat 5e" should be read as "Cat 5e or better".

RANGE

Direct Connect:	100m (330 ft) over Cat 5e (or better)

SPEEDS

USB 2.0:	Up to 480Mbps
USB 1.1:	Up to 12Mbps

POWER

Power Supply:	100-240V AC input, 5V DC output

LEX

USB Connector:	1 x USB Type A - 15.2cm (6") pigtail
Link Connector:	1 x RJ45
Dimensions:	44mm x 87mm x 24mm (1.72" x 3.43" x 0.95")
Enclosure Material:	Black ABS with Rubberized Coating

REX

USB Connector:	4 x USB Type A
Link Connector:	1 x RJ45
Available Current:	4 x 500mA
Dimensions:	110mm x 69mm x 28mm (4.33" x 2.72" x 1.10")
Enclosure Material:	Black ABS with Rubberized Coating

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, CE (Class A)
Immunity:	CE Criteria A
Environmental:	RoHS

SUPPORT

Warranty:	2 years

Specifications subject to change without notification.
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EXTREME
USB

Ordering Information

The USB 2.0 Ranger 2104 system includes a LEX, REX, warranty card, international power adapter, country specific power cord, and two year warranty. Quick Start Guide is located on the outer box sleeve. For more information, email **sales@icron.com** or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
00-00234	USB 2.0 Ranger 2104 - NA	4-Port Cat 5e 100 meter Extender System, 100-240V Power Adapter, NA Power Cord
00-00235	USB 2.0 Ranger 2104 - EU	4-Port Cat 5e 100 meter Extender System, 100-240V Power Adapter, EU Power Cord
00-00236	USB 2.0 Ranger 2104 - UK	4-Port Cat 5e 100 meter Extender System, 100-240V Power Adapter, UK Power Cord
00-00241	USB 2.0 Ranger 2104 - AU	4-Port Cat 5e 100 meter Extender System, 100-240V Power Adapter, AU Power Cord