# icron

## USB Ranger® 2204

Cat 5 USB 2.0 Extender



Ranger 2204 extends USB 2.0 beyond the desktop up to 100m over standard Cat 5 cable using ExtremeUSB® technology.

## Ranger 2204 Features

- Powered by ExtremeUSB®. Long reach USB 2.0 enabled by Icron's LionsGate™ USB 2.0 Extension ASIC.
- Extends USB 2.0 high-speed and USB 1.1 (low-speed, full speed) devices up to 100m over Cat 5 cable.
- Operates with USB 2.0 high-speed host controllers and USB 1.1 classic hosts.
- Supports all USB device types: Control, Interrupt, Bulk and Isochronous at up to 480Mbps.
- True plug and play, ready to operate right out of the box. No new driver installation required.
- Supports all major operating systems including Windows®, Mac OS®, and Linux®.
- Integrated hub provides four remote USB 2.0 ports. Number of devices can be increased using additional USB hubs.
- AC power adapter at remote unit provides standard 500mA to each USB port.
- Power adapter at local unit is not required for normal operation.
- Ideal for a wide variety of USB devices, from printers, scanners, hard drives, and audio devices, to touch screens, web cams, and game controllers.



## USB Ranger® 2204

### **Applications**

Industrial Control

· Digital Signage

· Home Network Integration

Medical Device Connectivity

KVM Extension

Remote Desktop USB Connections

Security: web camera, access control.

USB Device Sharing: print, scan, storage.

#### **Ordering Information**

The Ranger 2204 system includes a Local Extender (LEX) module, a Remote Extender (REX) module, a 2 meter USB cable, and an International power adapter with country specific cord.

Name	Part Number	Description
USB Ranger® 2204	00-00256	4-Port Cat 5 USB 2.0 Extender, International (100-240V) Power Adapter: North American plug
USB Ranger® 2204	00-00257	4-Port Cat 5 USB 2.0 Extender, International (100-240V) Power Adapter: European plug
USB Ranger® 2204	00-00258	4-Port Cat 5 USB 2.0 Extender, International (100-240V) Power Adapter: UK plug
USB Ranger® 2204	00-00259	4-Port Cat 5 USB 2.0 Extender, International (100-240V) Power Adapter: Australian plug

#### **Product Specifications**

Range 330 ft (100m) over Cat 5e (or better) cable

LEX unit USB connector 1 x USB Type B

LEX unit Link connector 1 x RJ45 REX unit Link connector 1 x RJ45

REX unit USB connector 4 x USB Type A

Maximum USB devices supported 14 USB devices or 3 USB hubs with 11 USB devices

Power adapter Maximum Rating 5V DC @ 3A Current available to USB at REX 4 x 500mA

LEX and REX unit dimensions 3.94" x 2.99" x 1.02" (100 mm x 76 mm x 26 mm)

Operating temperature range 0°C to 50°C

Total system shipping weight 2.0 lbs. (0.9 kilograms)

Regulatory testing FCC (Class B), IC (Class B), CE (Class B)
ESD Rating EMC EN-61000-4-2:2001 8kV Contact, 16kV Air

Specifications subject to change without notification.

Contact sales@icron.com for more information or OEM options.

