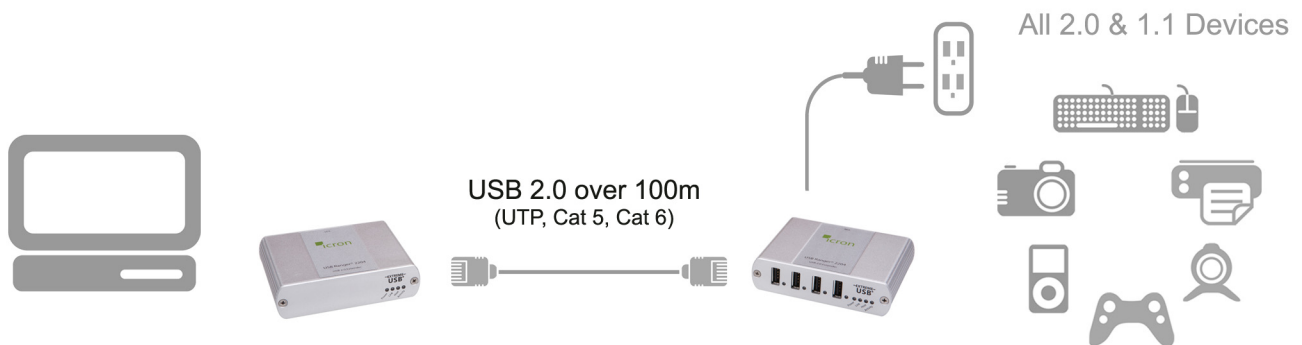# icron

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.
- Ideal for a wide variety of USB devices, from printers, web cams, and hard drives, to cell phones, iPods, digital cameras and game controllers.
- AC power adapter at remote unit provides standard 500mA to each USB port.

All 2.0 & 1.1 Devices

USB 2.0 over 100m
(UTP, Cat 5, Cat 6)

Powered by EXTREME USB®

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, USB cable and 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 5 (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
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
Storage temperature range	TBD
Total system shipping weight	2.0 lbs. (0.9 kilograms)
Regulatory testing	FCC, CE Class B
ESD Rating	EMC EN-61000-4-2:2001 4kV Contact, 8kV Air

Specifications subject to change without notification.

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