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USB Ranger® 2212
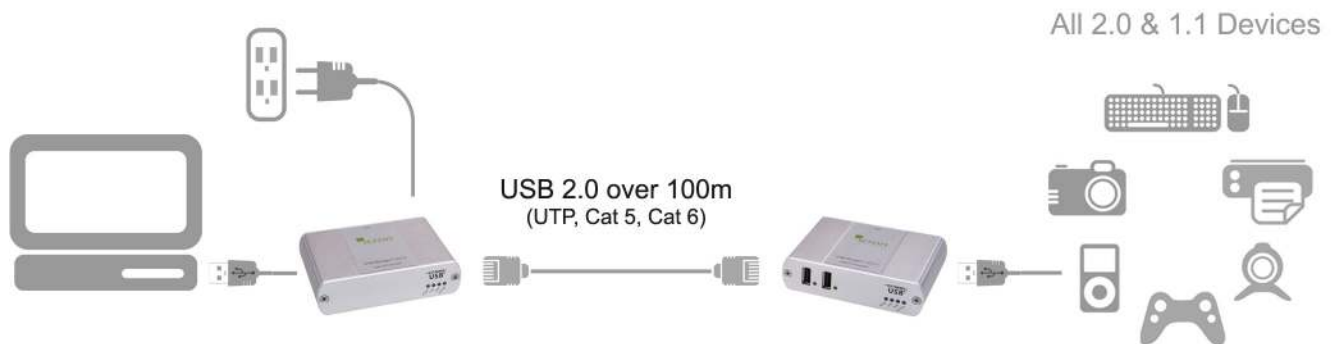## Cat 5 USB 2.0 Extender with Remote Power

Ranger 2212 extends USB 2.0 beyond the desktop up to 100m over standard Cat 5 cable using ExtremeUSB® technology.

Ranger 2212 Features

- System delivers power to remote hub over Cat 5 extension link simplifying installation and eliminating the need for AC power close to the remote unit.
- 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 two USB 2.0 ports. Number of devices can be increased using additional USB hubs.
- Remote unit provides standard 500mA to each USB port.
- Ideal for a wide variety of USB devices, from printers, scanners, hard drives, and audio devices, to touch screens, web cams, and game controllers.

All 2.0 & 1.1 Devices

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

USB Ranger® 2212

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 2212 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® 2212	00-00252	2-Port Remote Powered Cat 5 USB 2.0 Extender, International (100-240V) Power Adapter: North American plug
USB Ranger® 2212	00-00253	2-Port Remote Powered Cat 5 USB 2.0 Extender, International (100-240V) Power Adapter: European plug
USB Ranger® 2212	00-00254	2-Port Remote Powered Cat 5 USB 2.0 Extender, International (100-240V) Power Adapter: UK plug
USB Ranger® 2212	00-00255	2-Port Remote Powered 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	2 x USB Type A
Maximum USB devices supported	14 USB devices or 3 USB hubs with 11 USB devices
Power adapter Maximum Rating	24V DC @ 1A (LEX only)
Current available to USB at REX	2 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	2.2 lbs. (1.0 kilograms)
Regulatory testing	FCC (Class B), IC (Class B), CE (Class B)
ESD Rating	EMC EN-61000-4-2:2001 4kV Contact, 8kV Air

Specifications subject to change without notification.

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

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