# icron

# USB Ranger® 2201
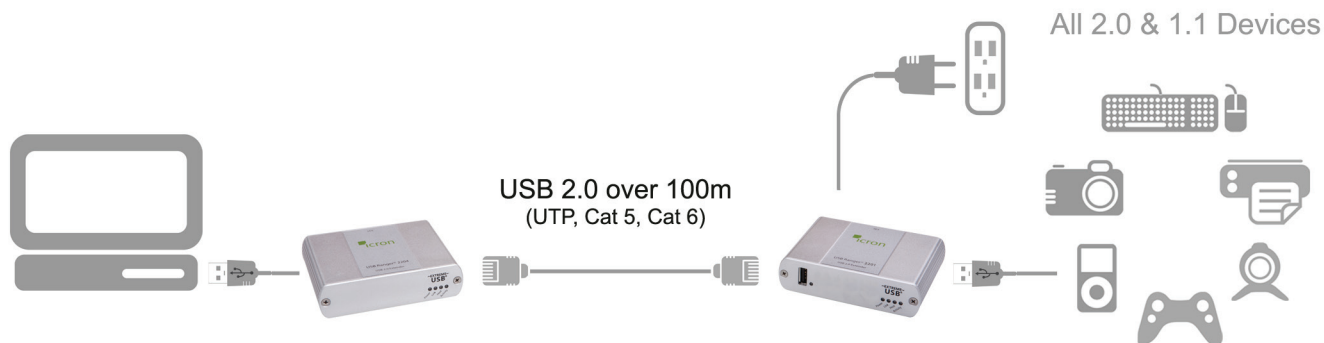## Cat 5 USB 2.0 Extender

**USB Ranger® 2201** extends USB 2.0 beyond the desktop up to 100m over standard Cat 5 cable using ExtremeUSB® technology.

## USB Ranger® 2201 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 5e 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®.
- Provides one remote USB 2.0 port. Number of devices can be increased using additional USB hubs.
- AC power adapter at remote unit provides standard 500mA to 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.

All 2.0 & 1.1 Devices

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

# USB Ranger® 2201

## 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 USB Ranger® 2201 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.

| | |
|---|---|
| | 100m (330 ft) 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 | 1 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 | 1 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.

**DIREKTRONIK**