

USB 2.0 Ranger® 2304PoE

4-Port USB 2.0 Power over Ethernet LAN Extender System



The Ranger 2304PoE enables you to connect and extend all USB 2.0 device types to hosts across a PoE+ enabled Gigabit Ethernet Local Area Network using existing cabling. This system extends peripherals such as flash drives, keyboards, mice and interactive whiteboards across a LAN and supports isochronous devices such as webcams. Three USB A ports are available on the local extender, eliminating the need to connect an external USB hub to the host.

Features

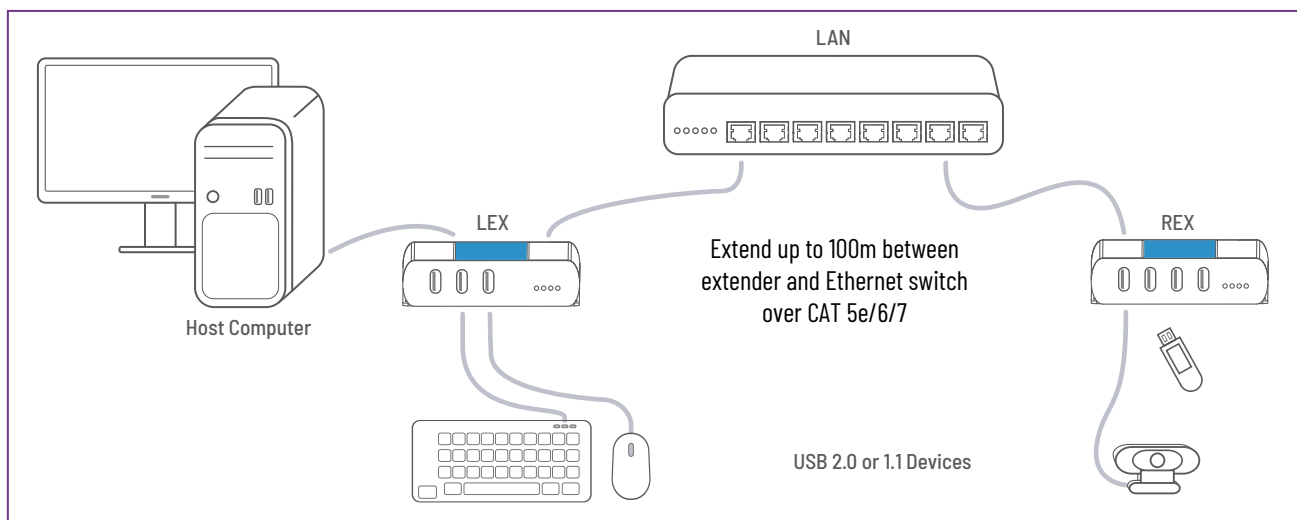
- ▶ Extends USB over an IEEE 802.3at PoE+ capable 1000Mbps LAN
- ▶ USB 2.0 throughput up to 480Mbps point-to-point or over LAN*
- ▶ Pre-paired network configuration** for simple installation
- ▶ Supplies up to 1.5A at each port, 3.5A total

Includes the ExtremeUSB® suite of features:

- ▶ Transparent USB extension
- ▶ True plug and play; no software drivers required
- ▶ Works with all major operating systems; Windows®, macOS™, Linux® and ChromeOS™

Applications

- ▶ Remote storage
- ▶ Industrial control
- ▶ Security and monitoring
- ▶ Keyboards and mice



* Maximum throughput will vary based on network traffic, distance and number of switches between extenders.
** Pre-paired network configuration only applies to units purchased together as a complete LEX and REX extender system.

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For more information about configuring and operating this product, refer to the complete online user guide at icron.com/2304PoE.

For technical support, visit icron.com/support.

For sales/general inquiries, visit icron.com/contact.

**EXTREME
USB®**

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USB 2.0 Ranger® 2304PoE Specifications

| | SPECIFICATIONS | LEX (LOCAL EXTENDER) | REX (REMOTE EXTENDER) |
|--------------------|----------------------------|---|----------------------------|
| EXTENDER UNITS | USB Connectors | 3 x USB Type A Receptacles, 1 x USB Type B Receptacle | 4 x USB Type A Receptacles |
| | Link Connector | 1 x RJ45 | |
| | Dimensions | 100mm (W) x 86mm (D) x 26mm (H) / 3.94" (W) x 3.39" (D) x 1.02" (H) | |
| | Enclosure Material | Silver Anodized Aluminum | |
| | Available Current | Supplies up to 1.5A at each port, 3.5A total | |
| | Power Supply | 100-240V AC Input, 24V 1A DC Output (Optional, sold separately) | |
| RANGE | Direct Connect | Up to 100m (330 ft) over solid core CAT 5e/6/7 | |
| | Network Connect | Up to 100m (330 ft) between switches over solid core CAT 5e/6/7 | |
| USB DEVICE SUPPORT | Network and Direct Connect | Up to 480Mbps* | |
| | Traffic Types | All USB 2.0 Traffic Types | |
| | Device Types | All USB 2.0 Device Types | |
| | Maximum Devices | Supports up to 30 | |
| NETWORKING | Standards | 1000BASE-T*, IEEE 802.3at PoE+ (25.5W) | |
| | Data Traffic | Layer 2 | |
| 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 | Certifications | FCC (Class A), CE (Class A), RoHS2/3 (CE), ICES-003 Issue 7, EN 62368-1 | |
| SUPPORT | Warranty | 2-year | |

* Maximum speed is heavily dependant on network configuration, bandwidth and performance. 1000Base-T is highly recommended for best performance.

Ordering Information



The Ranger 2304PoE system includes a LEX, REX, USB Cable, Quick Start Guide and two-year warranty. The external power supply is optional and sold separately. For more information, contact us online at icron.com/contact, by email at icronSales@analog.com, or call +1 604 638 3920.

| PART # | NAME | DESCRIPTION |
|----------|------------------------------------|--|
| 00-00465 | USB 2.0 Ranger 2304PoE | 3-Port LEX and 4-Port REX USB 2.0 Extender System, Power over Ethernet, USB A/B cable |
| 10-00535 | USB Mounting Kit - Silver | Kit includes: 2 brackets, 4 locking washers, 4 (M2.5 x 8mm) Phillips pan head screws. Order: 1 kit per LEX or REX; 2 kits per system. |
| 21-00110 | 24V 1A AC Power Adapter (Level VI) | 24V 1A DC Output, 100-240VAC Input Power Supply with 2.1mm (ID) Plug and IEC320-C7/C8 2-pin connector |
| 21-00115 | NA Ungrounded Power Cord | IEC320-C7/C8 2-pin Power Cord for North America |
| 21-00116 | EU Ungrounded Power Cord | IEC320-C7/C8 2-pin Power Cord for European Union |
| 21-00117 | UK Ungrounded Power Cord | IEC320-C7/C8 2-pin Power Cord for United Kingdom |
| 21-00118 | AU Ungrounded Power Cord | IEC320-C7/C8 2-pin Power Cord for Australia/New Zealand |
| 21-00109 | JP Ungrounded Power Cord | IEC320-C7/C8 2-pin Power Cord for Japan |