

## Product Datasheet - Technical Specifications



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### Your contact

Technical and commercial sales, price information,  
quotations, demo/test equipment, consulting:

Tel.: +49 - (0)81 41 - 52 71-0

E-Mail: [sales@meilhaus.com](mailto:sales@meilhaus.com)

**Meilhaus Electronic GmbH**  
Am Sonnenlicht 2  
82239 Alling/Germany

Tel. +49 - (0)81 41 - 52 71-0 E-  
Mail [sales@meilhaus.com](mailto:sales@meilhaus.com)

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# USB 2.0 Ranger® 2311

1-Port USB 2.0 100m CAT 5e/6/7 Extender System with Flexible Power

The USB 2.0 Ranger 2311 extends high-speed USB 2.0 connections up to 100m using CAT 5e/6/7 with the option to power either the LEX (Local Extender) or REX (Remote Extender).



## Features

The Ranger 2311 is ideal for extending USB peripherals including: keyboards, mice, interactive whiteboards, flash drives, hard drives, audio devices, web cameras and any other USB device.

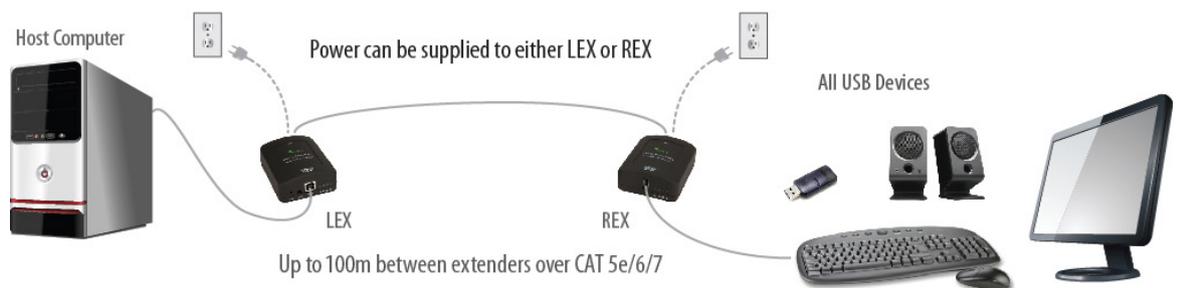
- Flexible power — connect the power adapter to either the LEX or REX
- Supplies up to 1 Amp to USB port
- Mass Storage Acceleration for USB 2.0 device bulk transfers
- Supports throughputs of up to 480Mbps

Includes the ExtremeUSB® suite of features:

- Transparent USB extension
- Plug and play; no software drivers required
- Works with all major operating systems: Windows®, macOS™, Linux® and Chrome OS™

## Applications

- Interactive white board
- Keyboard and mouse extension
- Sensor/data acquisition
- Industrial control



EXTREME  
USB

Specifications subject to change  
without notification.

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#90-01490-D01

# USB 2.0 Ranger® 2311 Specifications

## RANGE

Direct Connect: Up to 100m (330 ft) over CAT 5e/6/7

## SPEEDS

USB 2.0: Up to 480Mbps

USB 1.1: Up to 12Mbps

## POWER

Power Supply: 100-240V AC Input, 24V 1A DC Output

## LEX (LOCAL EXTENDER)

USB Connector: 1 x USB Type B Receptacle

Link Connector: 1 x RJ45

Dimensions: 65.0mm x 87.5mm x 30.0mm (2.6" x 3.4" x 1.2")

Mounting: Slots for Cable Ties

Enclosure Material: Black ABS with Rubberized Coating

## REX (REMOTE EXTENDER)

USB Connector: 1 x USB Type A Receptacle

Link Connector: 1 x RJ45

Available Current: Up to 1 Amp to USB port

Dimensions: 65.0mm x 87.5mm x 30.0mm (2.6" x 3.4" x 1.2")

Mounting: Slots for Cable Ties

Enclosure Material: Black ABS with Rubberized Coating

## 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, Flammability V-0

## SUPPORT

Warranty: 2-year



## Ordering Information

The USB 2.0 Ranger 2311 system includes a LEX, REX, USB Cable, Quick Start Guide, international power adapter with country specific power cord and two-year warranty.

PART #	NAME	DESCRIPTION
00-00401	USB 2.0 Ranger 2311 - NA	1-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, NA Power Cord
00-00402	USB 2.0 Ranger 2311 - EU	1-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, EU Power Cord
00-00403	USB 2.0 Ranger 2311 - UK	1-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, UK Power Cord
00-00404	USB 2.0 Ranger 2311 - AU	1-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, AU Power Cord
00-00405	USB 2.0 Ranger 2311 - JP	1-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, JP Power Cord