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
- Sensor/data acquisition
- Keyboard and mouse extension
- Industrial control

Specifications subject to change without notification.
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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**
EMC: FCC (Class A), CE (Class A)
Environmental: RoHS2/3 (CE)
Safety: 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. For more information, email icronSales@MaximIntegrated.com or call +1 604 638 3920.

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<th>NAME</th>
<th>DESCRIPTION</th>
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<td>00-00401</td>
<td>USB 2.0 Ranger’ 2311 - NA</td>
<td>1-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, NA Power Cord</td>
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<td>00-00402</td>
<td>USB 2.0 Ranger’ 2311 - EU</td>
<td>1-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, EU Power Cord</td>
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