EXTREME USB®

USB 2.0 RG2312 Extender
2-Port USB 2.0 100m CAT 5e/6/7 Extender System with Flexible Power

Sold as unbranded or private label

The USB 2.0 RG2312 extends high-speed USB 2.0 connections up to 100m using CAT 5e/6/7 with the option to power at either the Local Extender or Remote Extender. It features full device and host support as well as Mass Storage Acceleration for improved USB 2.0 device bulk transfer speeds over previous generation extenders and the ExtremeUSB® suite of features.

Local Extender

Remote Extender

Features

The RG2312 is ideal for extending USB peripherals including: keyboards, mice, interactive whiteboards, flash drives, hard drives, audio devices, web cameras and any other USB device.
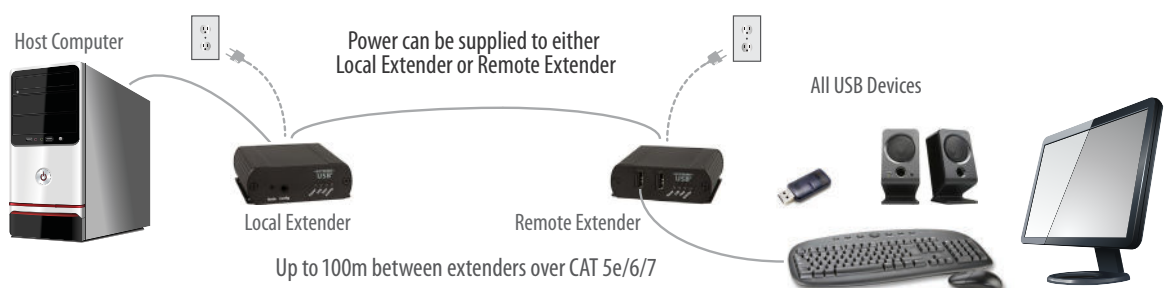
- Flexible power — connect the power adapter to either the Local or Remote Extender
- Supplies up to 1.5 Amps total when both USB ports are in use
- Mass Storage Acceleration for USB 2.0 device bulk transfer speeds
- Supports throughputs of up to 480 Mbps
- FCC/CE Class B

Includes the ExtremeUSB® suite of features:

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

Applications

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

Host Computer

Power can be supplied to either
Local Extender or Remote Extender

All USB Devices

Local Extender   Remote Extender

Up to 100m between extenders over CAT 5e/6/7

RANGE

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

USB DEVICE SUPPORT

USB 2.0 Throughputs:	Up to 480 Mbps
USB 1.1 Throughputs:	Up to 12 Mbps

POWER

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

LOCAL EXTENDER

USB Connector:	1 x USB Type B Receptacle
Link Connector:	1 x RJ45
Dimensions:	87.0mm x 75.0mm x 26.0mm (3.4" x 3.0" x 1.0")
Mounting:	Slots for Cable Ties or Optional Mounting Kit available
Enclosure Material:	Black Anodized Aluminum

REMOTE EXTENDER

USB Connectors:	2 x USB Type A Receptacle
Link Connector:	1 x RJ45
Available Current:	Up to 1 Amp per USB port, 1.5 Amps total shared
Dimensions:	87.0mm x 75.0mm x 26.0mm (3.4" x 3.0" x 1.0")
Mounting:	Slots for Cable Ties or Optional Mounting Kit available
Enclosure Material:	Black Anodized Aluminum

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 B), CE (Class B)
Environmental:	RoHS2 (CE)

SUPPORT

Warranty:	2-year

EXTREME USB®

Ordering Information

The USB 2.0 RG2312 system includes a Local Extender, Remote Extender, USB 2.0 Cable, Quick Start Guide, one international power adapter with country specific power cord and two-year warranty. For more information, email sales@icron.com or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
01-00585	USB 2.0 RG2312 - NA	2-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, NA Power Cord
01-00586	USB 2.0 RG2312 - EU	2-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, EU Power Cord
01-00587	USB 2.0 RG2312 - UK	2-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, UK Power Cord
01-00588	USB 2.0 RG2312 - AU	2-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, AU Power Cord
01-00589	USB 2.0 RG2312 - JP	2-Port USB 2.0 Flexible Power CAT 5e/6/7 100m Extender System, 100-240V Power Adapter, JP Power Cord
10-00536	USB Mounting Kit (2301/12)	USB Extender Mounting Kit for 2301/2312 (Black) - set of two brackets and hardware