

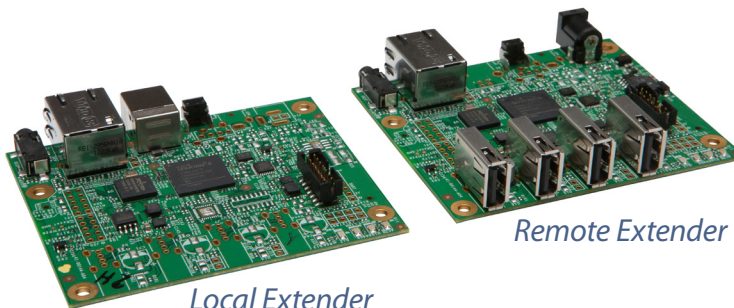
USB 2.0 RG2304GE-LAN Turnkey Extender

4-port USB 2.0 Gigabit Ethernet LAN Turnkey Extender

Sold as Turnkey PCBAs

The USB 2.0 RG2304GE-LAN provides the ability to connect all USB 2.0 devices to hosts across a Gigabit Ethernet Local Area Network using existing cabling in a ready-to-go turnkey form factor; just add an enclosure.

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Local Extender

Remote Extender

Features

The RG2304GE-LAN Turnkey extends USB 2.0 peripherals such as flash drives, keyboards, mice, webcams, and interactive whiteboards across a Local Area Network (LAN) and supports modern USB 3.0 controllers. *The RG2304-LAN Turnkey includes support for isochronous devices (such as webcams).*

- Extends USB through 1000Mbps LANs
- USB 2.0 throughput up to 480Mbps*
- Pre-paired networked configuration** for simple installation
- Supplies up to 600mA to each USB port concurrently

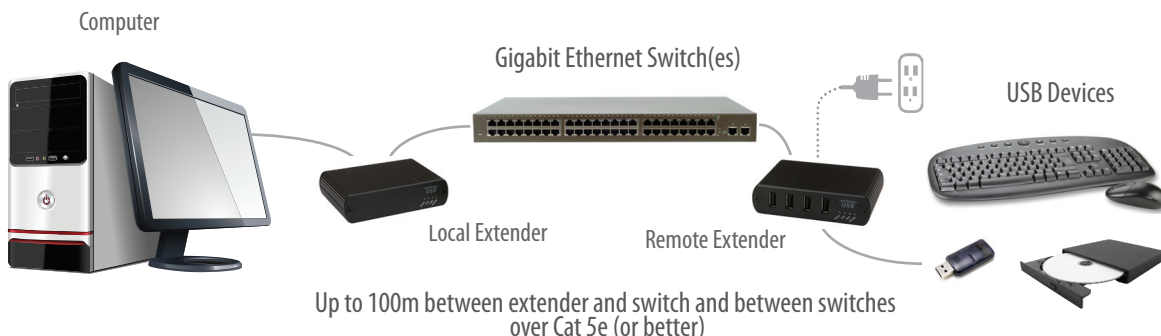
Includes the ExtremeUSB® suite of features:

- True plug and play. No software drivers required
- Supports all major operating systems: Windows®, Mac OS X®, and Linux®
- Reliable operation with all USB device types, and hubs
- Patented USB extension technology

Supports remote pairing control via Icron Technologies' SwitchableUSB™.

Applications

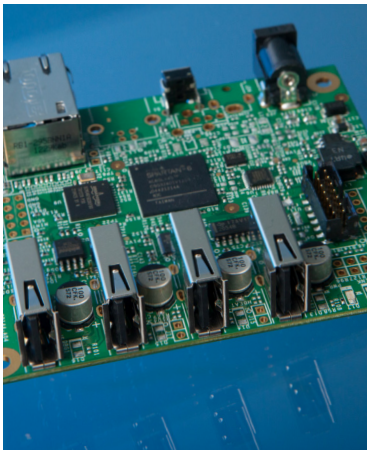
- Remote storage
- Security and monitoring
- Video matrix systems
- Keyboard and mouse



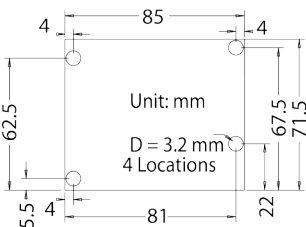
* Maximum throughput will vary based on network traffic, distances and number of switches between extenders.

** Pre-paired network configuration only applies to units purchased together as a complete Local and Remote Extender system.

USB 2.0 RG2304GE-LAN Turnkey Specifications



Specifications subject to change without notification.
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#90-01101-A02



Local and Remote
Extender Dimensions



RANGE

Direct Connect:	Up to 100m (330 ft) over solid core Cat 5e or better
Network Connect:	Up to 100m (330 ft) between switches over solid core Cat 5e

USB DEVICE SUPPORT

Maximum Throughput:	Up to 480Mbps*
Traffic Types:	All USB 2.0 Traffic Types
Device Types:	All USB 2.0 Device Types

NETWORKING

Standards:	1000BASE-T*
Data Traffic:	Layer 2

LOCAL EXTENDER

USB Connector:	1 x USB Type B Receptacle
Link Connector:	1 x RJ45
PCB Footprint:	85mm x 71.5mm (3.35" x 2.80")

REMOTE EXTENDER

USB Connectors:	4 x USB Type A Receptacles
Link Connector:	1 x RJ45
PCB Footprint:	85mm x 71.5mm (3.35" x 2.80")
Available Current:	Up to 600mA to each USB port
Power Connector:	5V or 10-24V DC onboard, 10-24V DC 2.1mm center-positive barrel

ENVIRONMENTAL

Operating Temperature:	0°C to 50°C (32°F to 122°F)
Storage Temperature:	-10°C to 60°C (14°F to 140°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 years
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* Maximum speed is heavily dependant on network configuration, bandwidth and performance. 1000Base-T is highly recommended for best performance.
** Compliance tested in RG2304GE-LAN enclosure with power supply.

Ordering Information

The RG2304GE-LAN Turnkey includes either a local extender or remote extender, and a two year warranty. For more information email sales@icron.com or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
02-00030	USB 2.0 RG2304GE-LAN Turnkey LEX	1-Port USB 2.0 Gigabit Ethernet LAN Local Extender Module (PCBA without housing)
02-00031	USB 2.0 RG2304GE-LAN Turnkey REX	4-Port USB 2.0 Gigabit Ethernet LAN Remote Extender Module (PCBA without housing)
21-00054	24V 1A Power Adapter	100-240V, 2.1mm (ID) plug, IEC320-C7/C8 2-pin